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## CENTRAL INTELLIGENCE AGENCY

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COUNTRY	USSR (Arctic)	REPORT	
SUBJECT	1. Soviet Naval Vessels Sighted in the Arctic 2. Port of Arkhangelsk	DATE DISTR.	13 May 1955
		NO. OF PAGES	6
DATE OF INFO.		REQUIREMENT	
PLACE ACQUIRED		REFERENCES	
DATE ACQUIRED			

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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Letters and numbers in the text refer to the attached charts of the Arkhangelsk area.

1. [REDACTED] 25X1
2. [REDACTED] ship reached Syevero, where the pilot came aboard. It arrived at the control station (D) [REDACTED] and the control commission, composed of a major, two lieutenants, six soldiers, two customs officials (a man and a woman), a woman doctor, and a woman technician who inspected the radio equipment, came aboard [REDACTED]. The examination, which lasted about an hour, was less rigorous than on previous occasions. There were frequent exchanges of cigarettes between members of the commission and ship's officers, and the three officers of the commission accepted a glass of whiskey after the inspection was over. 25X1
3. [REDACTED] ship tied up at quay No. 2 (F) [REDACTED] and was immediately boarded by the Inflat representative, a youthful-looking man of forty, 1.6 to 1.7 meters tall, clean shaven, with light chestnut hair. The agent, who spoke flawless English, was communicative but not confidential. He stated that he had traveled in the United States two and a half years during the war, and his comments on the United States were favorable. 25X1
4. [REDACTED] using the Inflat motor launch, which flew the national colors, as did all the boats in the channel that day [REDACTED] observed 13 minesweeper-type vessels (A and B), which had eight red cylindrical objects astern, four on each side, equipped with directional fins similar to those on aerial bombs. Immediately beyond the [REDACTED] 25X1

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI	ABC				
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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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minesweepers was an empty floating dock for vessels up to about 5,000 tons. It was equipped with cranes of 100 to 150 ton capacity mounted on rails. Along the Solombala shore, there were a great many cargo ships, including several Liberty ships. The majority of these vessels appeared very old. They were not in commercial service but were probably awaiting repair or scrapping. [ ] the masonry bridge connecting Solombala with Arkhangelsk had been completed, since he saw no workers at the location.

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5. [ ] the Inflat representative [ ] visited the International Club (C), a two-story masonry building with well furnished rooms. The reading room was supplied with many magazines and propaganda material in most languages. There were some smaller reading rooms, a projection room, a ping-pong room, a billiard room, and a bar where a large assortment of foreign and domestic liquors, beer, and rolls were sold at reasonable prices. A half-liter bottle of vodka cost 24 rubles, or about six dollars at the official rate of exchange. There was also a ballroom, decorated with large portraits of Lenin, Stalin, Voroshilov, Bulganin, Malenkov, Molotov, and others, in which there was a photographic exhibition of great works accomplished by Communism, with captions in Russian. The president of the club was an elderly woman, and there were several girls, most of whom spoke French or English, who served as hostesses. 25X1 25X1
6. After visiting the International Club, [ ] to dinner in a downtown restaurant. The restaurant was crowded, possibly because it was Sunday, and the patrons were dancing to the music of an orchestra consisting of piano, accordion, violin, and other instruments. The orchestra played a Strauss waltz on informant's request and refused a tip. In the vicinity of the restaurant were other similar establishments crowded with people amusing themselves with music and dancing. 25X1 25X1
7. [ ] the Arkhangelsk hospital located among trees, consisted of about twenty buildings of one or two stories, some of which were built of wood. Although the grounds appeared extremely neglected, the interior of the wards was clean and hygienically arranged. [ ] one single-story ward where seamen were evidently received. Uniforms were hanging at the sides of bunks, and a number of seamen were at the windows. 25X1 25X1 25X1
8. [ ] active air traffic over Arkhangelsk was observed. Single jet planes flying in a northeast-northwest (sic) direction and twin-engined and triple-engined transports following various routes were observed daily. 25X1
9. When loading operations were completed [ ] ship left its berth with the aid of a tugboat which accompanied it to the mouth of the main channel. The ship arrived at the control station [ ] and after the control visit, which lasted about an hour, lay at anchor [ ] and then continued along the channel to Yushnyy Point (N 64-51, E 40-16), where it anchored again because of fog [ ] 25X1 25X1 25X1 25X1 25X1
10. [ ] ship was sailing between Cape Teriberakiy (N 69-18, E 35-15) and Cape Veroniy (N 69-11, E 35-48) on a course for Arkhangelsk, two Soviet naval vessels were sighted sailing about 500 meters apart on a westerly course at a speed of 14 to 16 nautical miles per hour. The first vessel was a heavy cruiser type [ ] It had two framework masts, two stacks, and turrets forward and aft. The second vessel had two masts, of which the forward one was an open framework type, two stacks, and turrets forward and aft. Both vessels were equipped with radar. 25X1 25X1
11. [ ] a light cruiser [ ] was sighted off Sosnovets Island. It was about 150 meters in length with a raked stack painted gray with a dark band, a forward turret, groups of torpedo 25X1 25X1

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tubes amidships, and two masts, of which the forward one was an open framework type supporting a rectangular radar screen mounted horizontally. The after section of the vessel was covered with tarpaulins (not the usual shipboard canvas) almost covering the material stowed on deck.

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12. [redacted] ship was navigating in a thick fog off Kerets Point [redacted] it passed close to an object, the existence of which was announced by a tolling bell. It appeared to be a target. About twenty minutes later, machine gun and artillery fire originating from the shore was heard. In view of the total absence of visibility, [redacted] the exercises were directed by radar. The fire was thought to originate from 20 to 25 millimeter machine guns and 120 to 150 millimeter artillery.

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13. [redacted] a tugboat was sighted hauling a metal hull about twenty meters long, on which were mounted target silhouettes. The tow was on a northerly course.

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14. Having taken on the pilot at Syevero, [redacted] ship proceeded to the control station [redacted] After the inspection, which lasted an hour and a half, the ship continued in the channel to quay No. 2.

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15. During the ship's stay in Arkhangelsk, it was observed that the arches of the new bridge between Solombala and Arkhangelsk were completed, but work was still in progress on the heads, and the bridge was evidently not yet open to traffic, for the old pontoon bridge was still in use.

16. [redacted] ship was engaged in loading operations [redacted] when it departed with the pilot on board. After the departure inspection, the ship headed out of the channel, disembarked the pilot at Syevero, and started the home voyage.

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17. [redacted] in position N 69-30, E 35-20, a submarine was sighted proceeding on the surface on a course 140° true. The submarine was about 100 meters long and was armed with guns of approximately 120 millimeter caliber located aft of the turret. Somewhat later on the same day, another submarine was sighted lying motionless in approximate position N 69-24, E 35-40. It had a turret disproportionately large in relation to the hull, which was about 60 meters in length [redacted]

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18. [redacted] five vessels [redacted] were observed practicing squadron maneuvers in the vicinity of Sosnovets Island. The vessels made one simultaneous turn of 90° and two of 30°, all to starboard, as well as several turns in succession. Since weather conditions in the White Sea were excellent in September because of moderate winds and good visibility resulting from the complete absence of fog or refraction, informant believed that this was the month in which the Soviet Navy carried out most of its exercises in the area.

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19. At the northwest tip of Bolshoy Oleniy Island (N 69-13, E 33-29), there was a new beacon [redacted] The beacon had two red beams flashing at ten-second intervals with a probable range of 16 to 18 miles. [redacted] the beacons already in existence before and beyond Bolshoy Oleniy Island were sufficient for navigation and that the new beacon, therefore, was installed for the benefit of a naval base for submarines or light surface units presumed to exist in the bay protected by Bolshoy Oleniy Island.

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20. [redacted] ship arrived at Syevero, where it took on the pilot, proceeding without delay to the control station, and anchoring there [redacted] The control commission, consisting of a captain, two lieutenants and a junior lieutenant, a woman doctor, a customs officer, and a radio technician, came aboard immediately. The inspection was

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superficial, lasting less than half an hour. Contrary to previous practice, the commission did not ask the crew to assemble. When questioned in this regard, a member of the commission replied that instructions had been received to discontinue the practice on incoming ships. After collecting the seamen's documents and sealing the radio apparatus, the commission disembarked.

21. Because the loading point assigned [redacted] was occupied by seven vessels, of which two were loaded and five waiting to be loaded, [redacted] ship remained at anchor off the control station [redacted]. During this layover, a tugboat was moored to the shore astern of the ship each night, apparently on surveillance duty. 25X1 25X1 25X1 25X1
22. [redacted] five torpedo boats [redacted] were sighted coming from Arkhangelsk and apparently going out for exercises. These vessels [redacted] were equipped with two torpedo tubes, one on each side. Only vessel [redacted] had torpedoes in position; the propellers of the torpedoes were distinctly visible, as they protruded from the tubes. The other vessels carried empty tubes. 25X1 25X1 25X1 25X1
23. [redacted] five vessels, either minesweepers or submarine chasers, passed the control station at an estimated speed of ten miles per hour. [redacted] 25X1 25X1
24. [redacted] ship, with the pilot aboard, left the control station and sailed upstream to the loading station, where it dropped anchor about 500 meters from the quay to wait for a berth while four other ships were being loaded. It remained there until [redacted] it berthed at the quay and loading operations began, continuing in 12-hour shifts without interruption [redacted] 25X1 25X1 25X1
25. The personnel of the loading gangs had almost completely changed since the previous visit [redacted] and the new gangs worked with a minimum of enthusiasm and little skill. Interruptions in loading operations occurred frequently because material did not arrive regularly at the quay. [redacted] long poles were often recovered from the river, stripped of bark, sawed, and loaded immediately. 25X1 25X1 25X1
26. During the stay [redacted] in Arkhangelsk, including the days when it lay at anchor waiting to be loaded, a motor launch of the International Club came alongside daily to take off some members of the crew. [redacted] 25X1 25X1 25X1
27. The loading [redacted] was completed [redacted] but because of heavy fog, the ship was forced to remain in its berth [redacted] when, with the pilot on board, it sailed to the control station. The inspection was conducted by the same personnel that had come aboard on arrival of the ship, plus eight soldiers and six customs inspectors. It lasted nearly two hours and was much more severe than that on arrival. When asked the reason for such strictness, the junior lieutenant replied [redacted] that the major consideration was fear of stowaways. The ship's crew was assembled aft, and each member was checked off against the seamen's papers and the crew roster while the customs inspectors conducted a careful search of the whole ship. When the inspection was completed [redacted] the ship departed, dropping the pilot at Syevero [redacted] and continuing at once on the homeward voyage. 25X1 25X1 25X1 25X1 25X1 25X1

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Legend to Charts 1 and 2 in Attachments 1 and 2 and to Photographs in Attachment 3.

1. Training vessel, possibly a pilot training ship, rigged as a brigantine, approximately 45 to 55 meters in length. No artillery or light armament was noted. Visible aft was the USSR flag, white with hammer and sickle superimposed and blue at the lower edge. A number of personnel in seaman's uniform were on deck.
2. Mouth of the Lapo River. Small groups of peasant-type dwellings are seen in the background.
3. (A, E, C) Channel area along Lapominka Island. A navigational range is visible.
4. Area surrounding the channel.
5. Area surrounding the channel in the vicinity of Port Ekonomiya.
6. (A, B, C) Fork of the channel and entrance to Port Ekonomiya.
7. Area adjacent to Port Ekonomiya.
8. Factory for sections of prefabricated houses.
9. (A, B, C, D, E, F, G) Kuryaryets region, where large quantities of sections of prefabricated houses were stored. A lighter and Soviet ship which were loading up are seen in 9E through 9G.
10. (A, B, C, D, E) Arnosov region. Inland are visible large quantities of lumber and sections of prefabricated houses and, in the far background, a large factory designated as a cellulose factory.
11. Ferry pier and ferry [redacted] 25X1
12. (A, B) Solombala region [redacted] 25X1  
[redacted] 25X1
13. Berth [redacted] In the background a sawmill is visible. 25X1
14. (A, B, C) Group of sawmills along the shore. Logs in the water are held back by booms.
15. (A, B, C, D, E) Area of workers' dwellings and quay with piles of logs. Clearly visible along the edge of the quay are machines for hoisting the logs. In the water along the quay are booms made of chains of logs linked by steel cable. This chain system is also used to confine the logs which are hauled along the channel by tugboats.
16. Large shed where drums of pitch are stored.
17. (A, B, C, D, E, F) Region of sawmills and dwellings.
18. Booms where the logs transported through the channel are conveyed.
19. (A, B) Primitive factory for lengths of steel cable, which serve as booms and as slings for the logs while being loaded.
19. (C, D, E) Sawmill with lumber stacked along the shore.
20. (A, B, C) Dwellings along the shore.

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S-E-C-R-E-T


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21. The locality of Linskiy Island. There are a number of large sheds, and lumber is stacked in the open. Military personnel were working on the construction of the building indicated by arrow in photograph.
22. (A, B) Channel region facing Port Ekonomiya. In the background, a large cellulose factory indicated by arrow in photograph 22B.
23. (A, B, C, D, E, F, G) Bank of Reyushinskiy Island with dwellings.
24. (A, B) Bank of Reyushinskiy Island. In the background is an inhabited area.
25. Bank of Reyushinskiy Island.

 Comment: These vessels were probably identical with those observed in Arkhangelsk 

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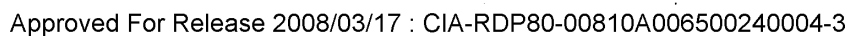
Attachment 1: Chart of area of Arkhangelsk  
Attachment 2: Chart of area of Arkhangelsk  
Attachment 3: 65 photographs of port of Arkhangelsk 

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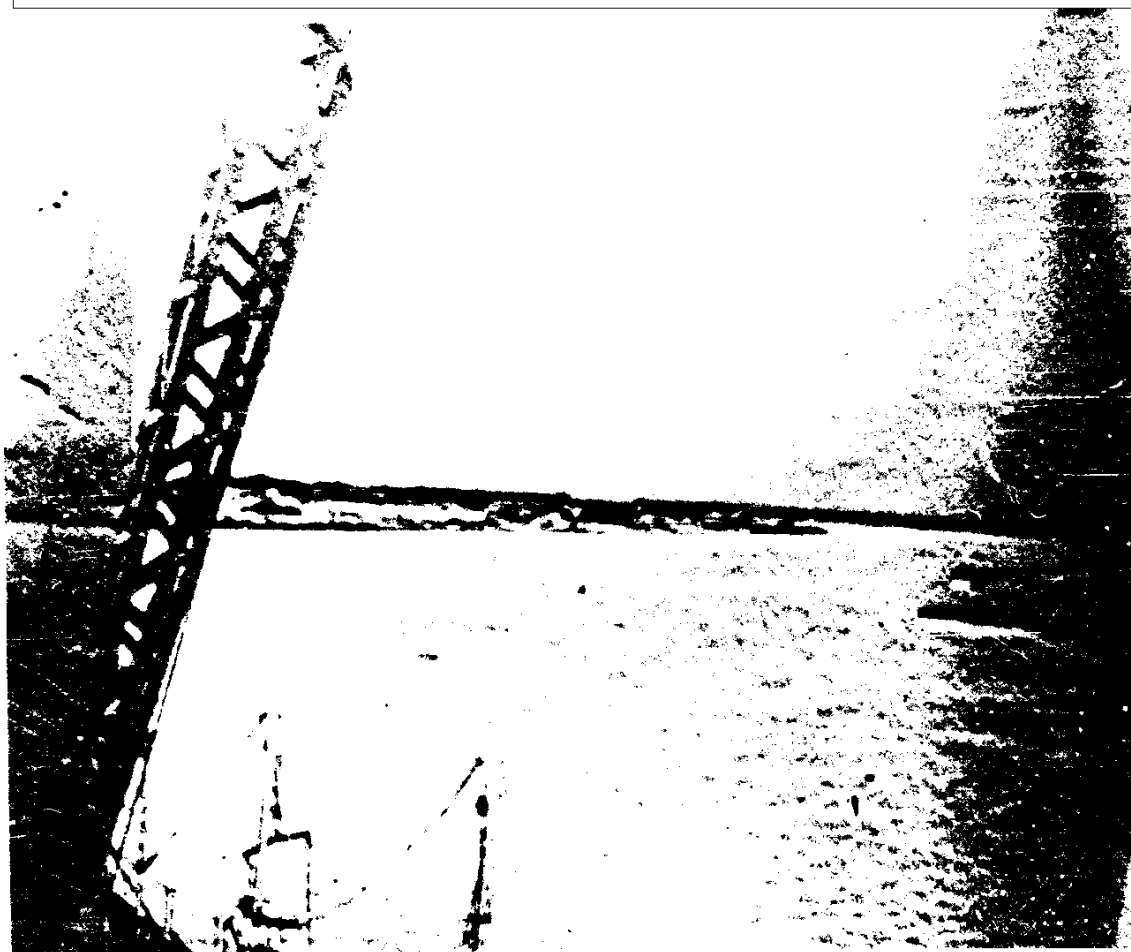
17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL

64 34 N 40 32 E HARBOR. ALONG LAPOMINKA ISLAND. NAVIGATIONAL  
RANGE AT RIGHT. SEE POINT 3, CHART 1

25X1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. CHANNEL AREA NEAR PORT EKONOMIYA.  
SEE POINT 5, CHART 1

25X1

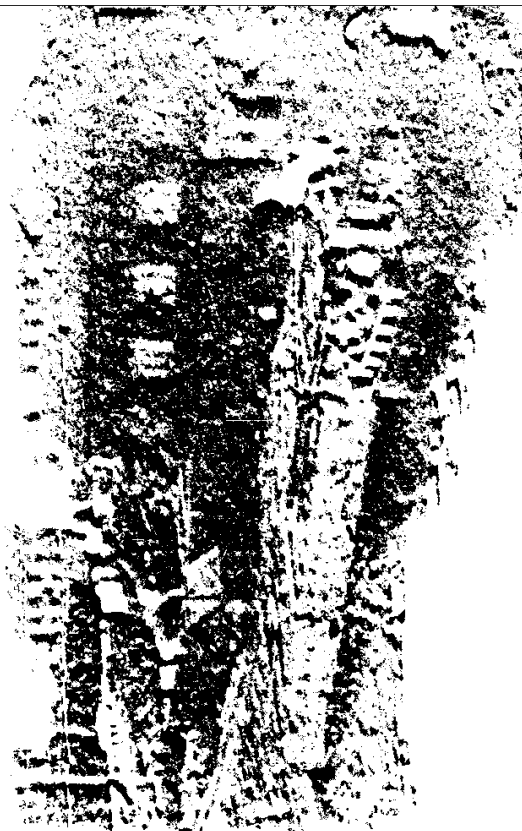
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. FERRY PIER AND BOAT. SEE POINT II,  
CHART 2

25X1  
25X1

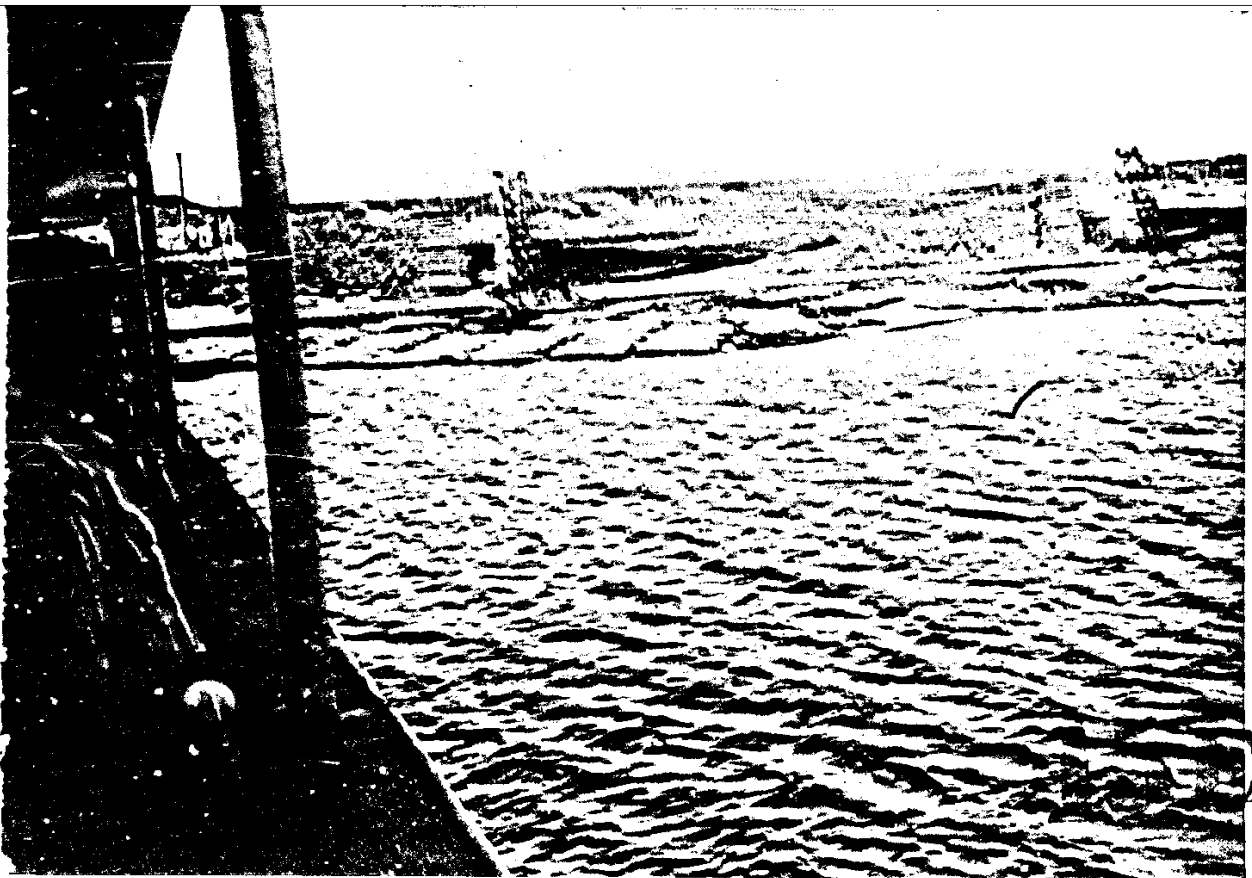


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LOGGING AREA. MACHINES FOR LIFTING  
LOGS. SEE POINT 15. CHART 2

25X1



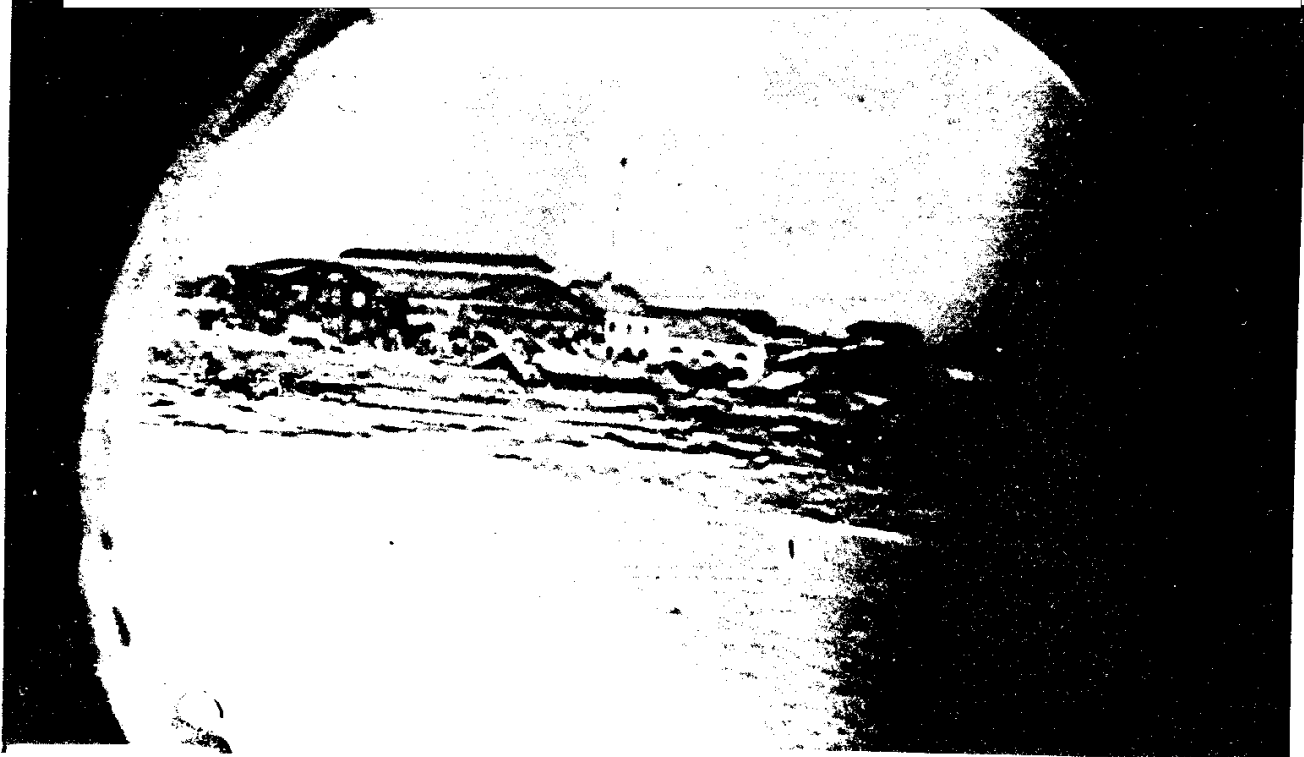
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. PLANT FOR PREFAB HOUSE SECTIONS.  
SEE POINT 8, CHART 2

25X1  
25X1

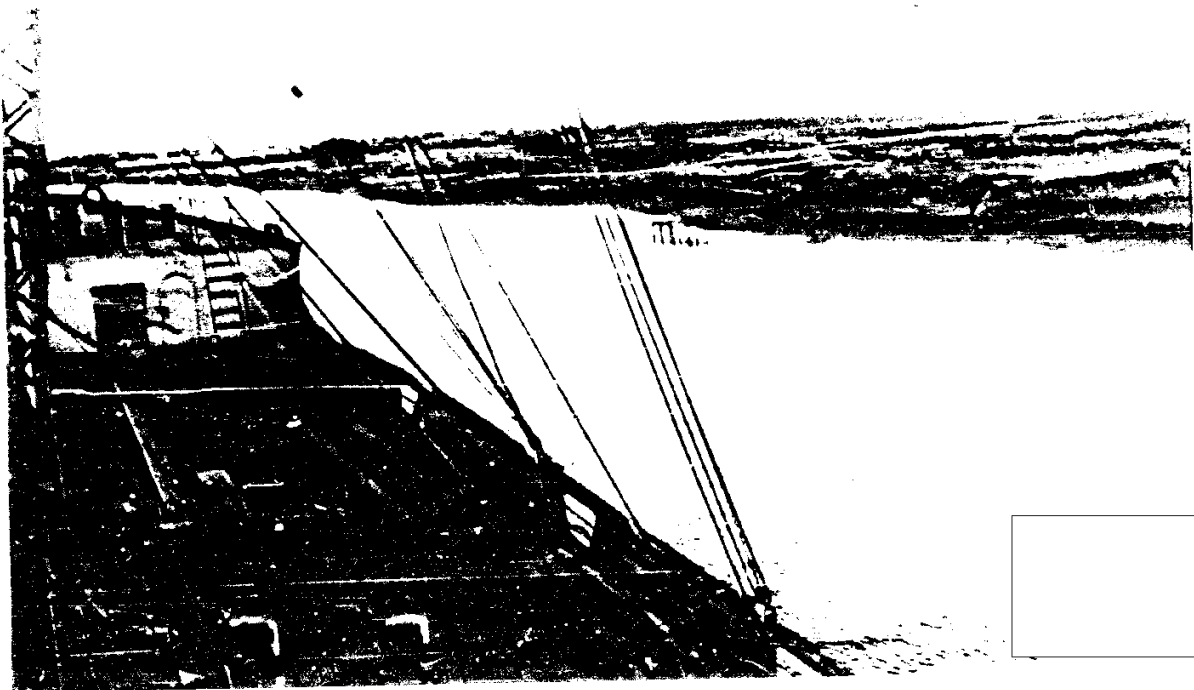


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SHEDS FOR STORING DRUMS OF PITCH.  
SEE POINT 16, CHART 2

25X1  
25X1



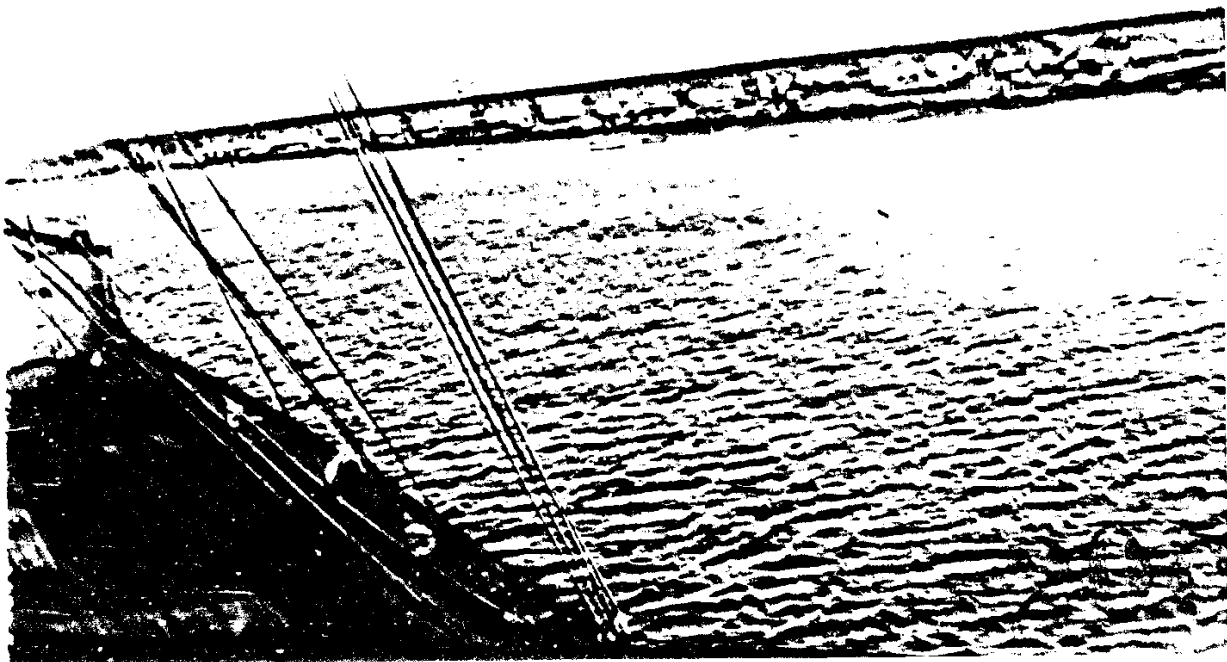
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SMALL HOUSES ALONG CHANNEL. SEE  
POINT 20, CHART 1

25X1  
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17N USSR N. EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. AREA OPPOSITE PORT EKONOMIYA.  
SEE POINT 22, CHART 1

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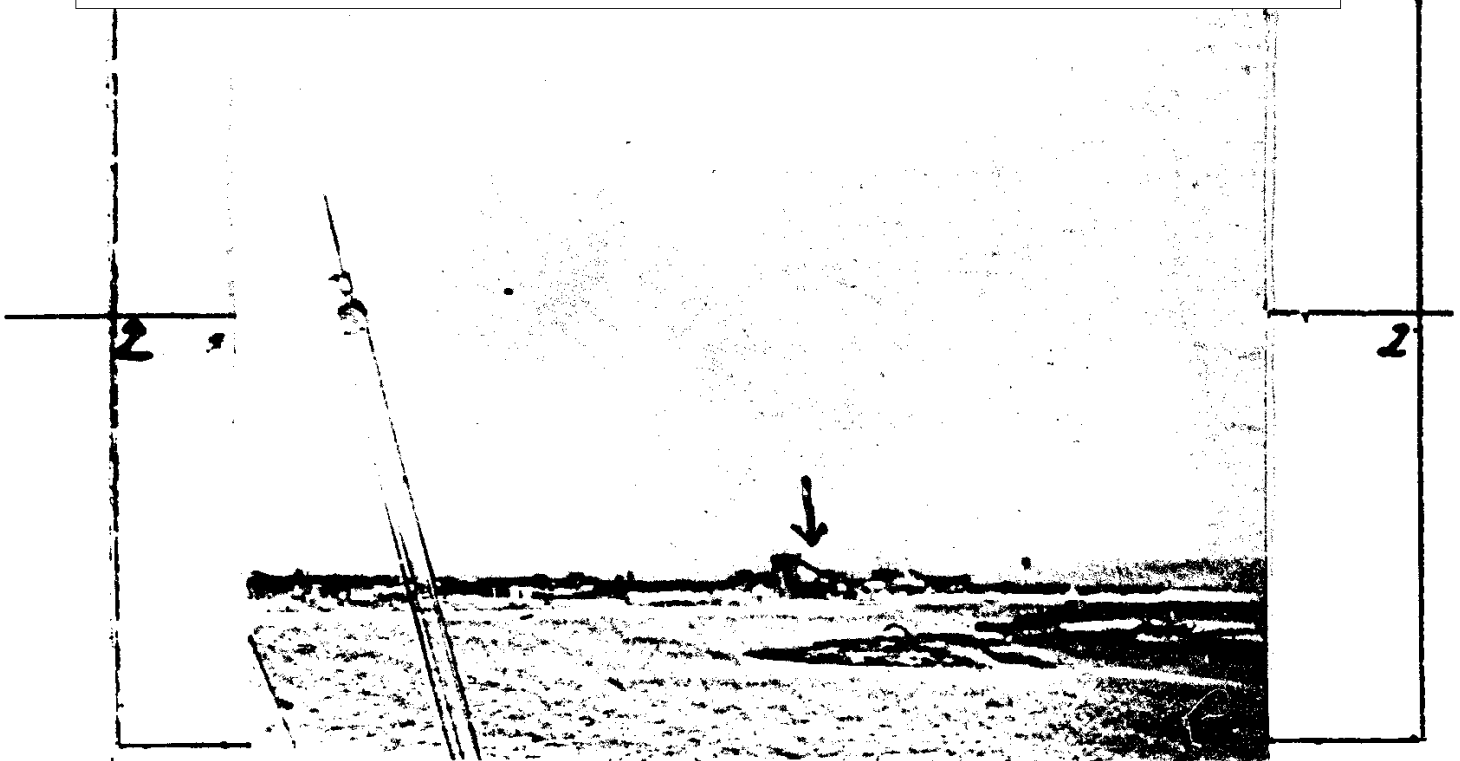


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. AREA OPPOSITE PORT EKONOMIYA.  
ARROW SHOWS CELLULOSE PLANT. SEE POINT 22, CHART 1

25X1  
25X1



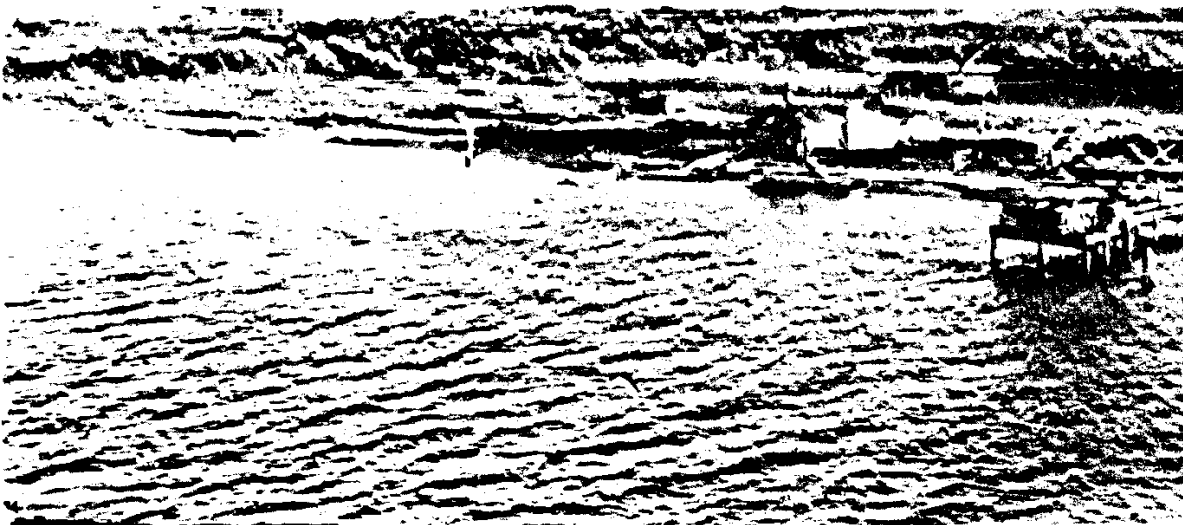
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17N USSR N.EUROPEANRSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND.  
SEE POINT 23, CHART 1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND.  
SEE POINT 23, CHART 1  PART 1 OF 6- PART PANORAMA.

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✓ 17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND. SEE  
POINT 23. CHART 1.  PART 2 OF 6 PART PANORAMA.

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND. SEE  
POINT 23, CHART 1, PART 3 OF 6-PART PANORAMA.  
PART 3 OF 6-PART PANORAMA.

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND. SEE  
POINT 23, CHART 1,  PART 4 OF 6-PART PANORAMA.

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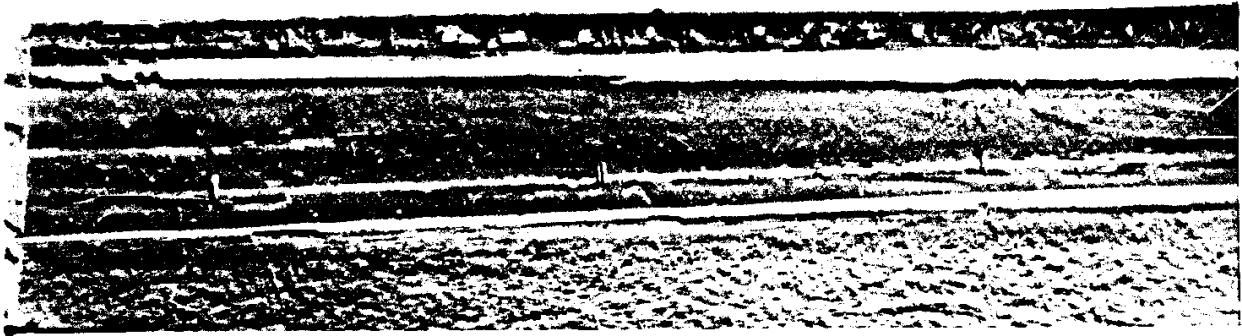


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND. SEE  
POINT 23, CHART 1,  PART 5 OF 6-PART PANORAMA.

25X1  
25X1

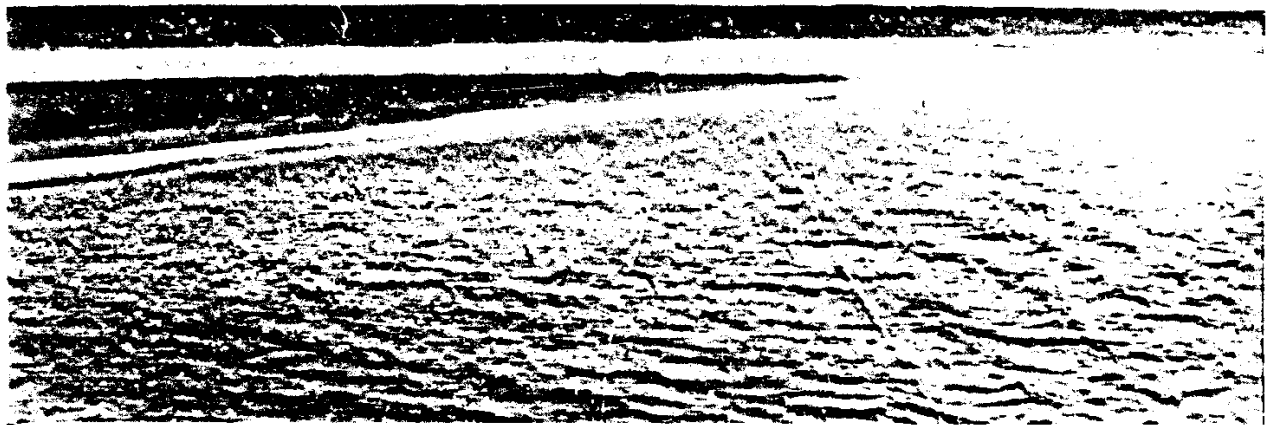


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HAROBR. BANK OF REYUSHINSKIY ISLAND. SEE  
POINT 23, CHART 1  PART 6 OF 6-PART PANORAMA.

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25X1



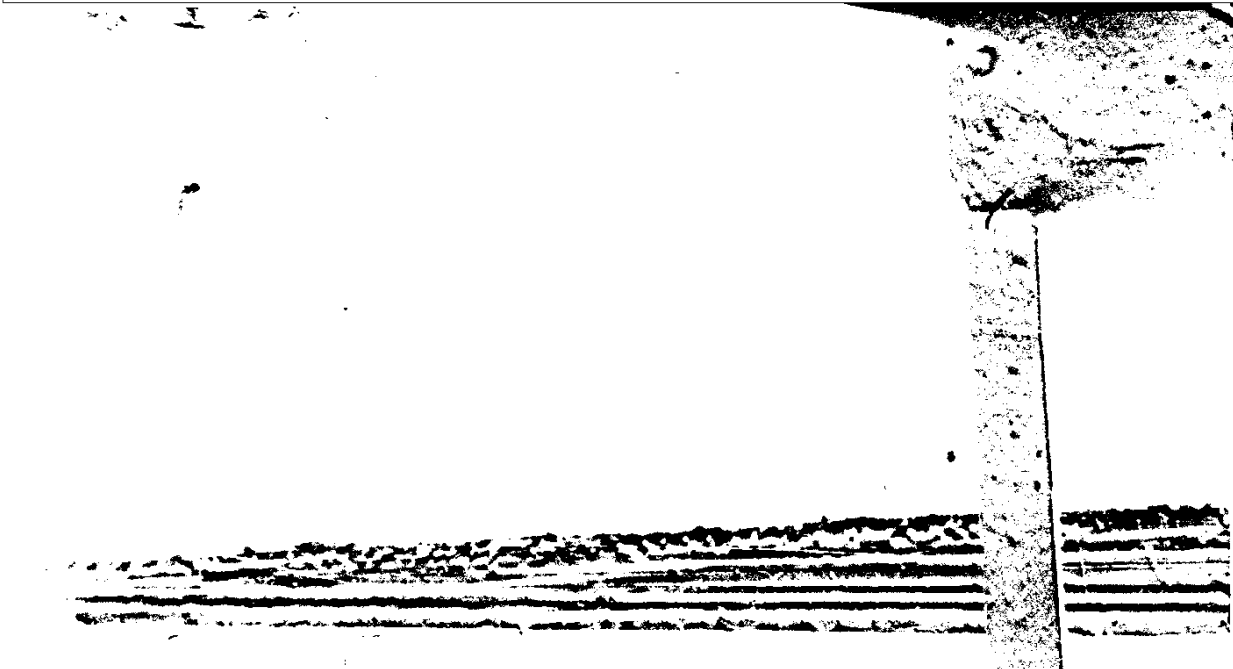
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND.  
VILLAGE IN BACKGROUND. SEE POINT 24, CHART 1  PART  
1 OF 2-PART PANORAMA



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BANK OF REYUSHINSKIY ISLAND. VILLAGE  
IN BACKGROUND: SEE POINT 24, CHART 1 [REDACTED] PART 2 OF  
2-PART PANORAMA [REDACTED] [REDACTED]

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. REYUSHINSKIY ISLAND. SEE POINT 25,  
CHART 1

25X1

25X1

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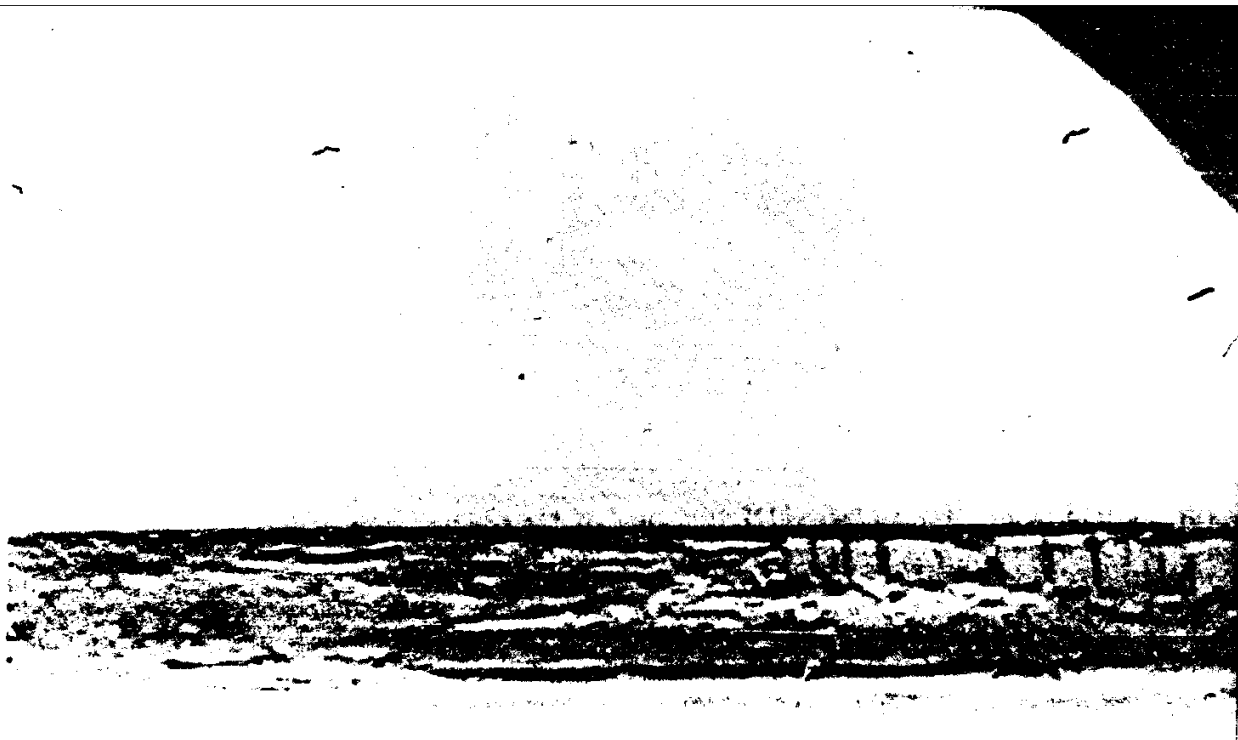


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✓ 17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. KURYARYETS AREA. STORED SECTIONS  
OF PREFABRICATED HOUSING. SEE POINT 9, CHART 2

25X1  
25X1

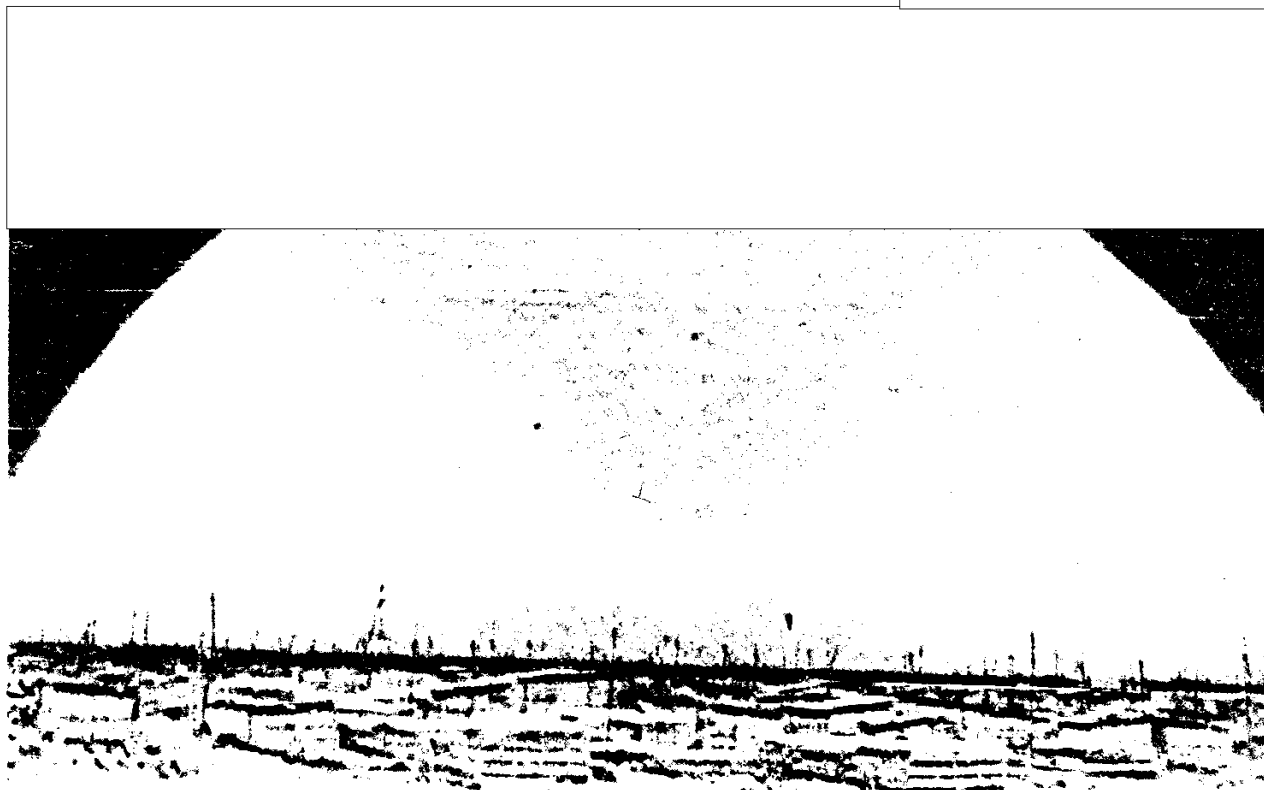


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. KURYARYETS AREA. STORED SECTIONS F  
OF PREFABRICATED HOUSING. SEE POINT 9, CHART 2

25X1  
25X1

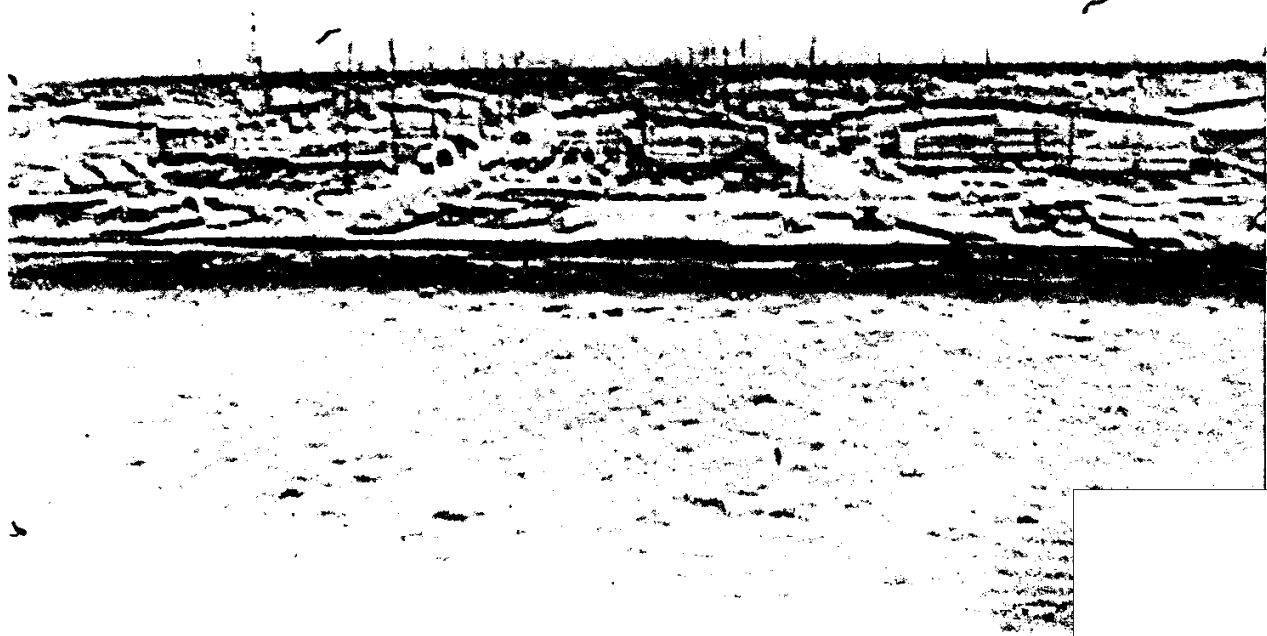


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HAROBR. KURYARYETS AREA. STORED SECTIONS  
OF PREFABRICATED HOUSING. SEE POINT 9, CHART 2

25X1  
25X1

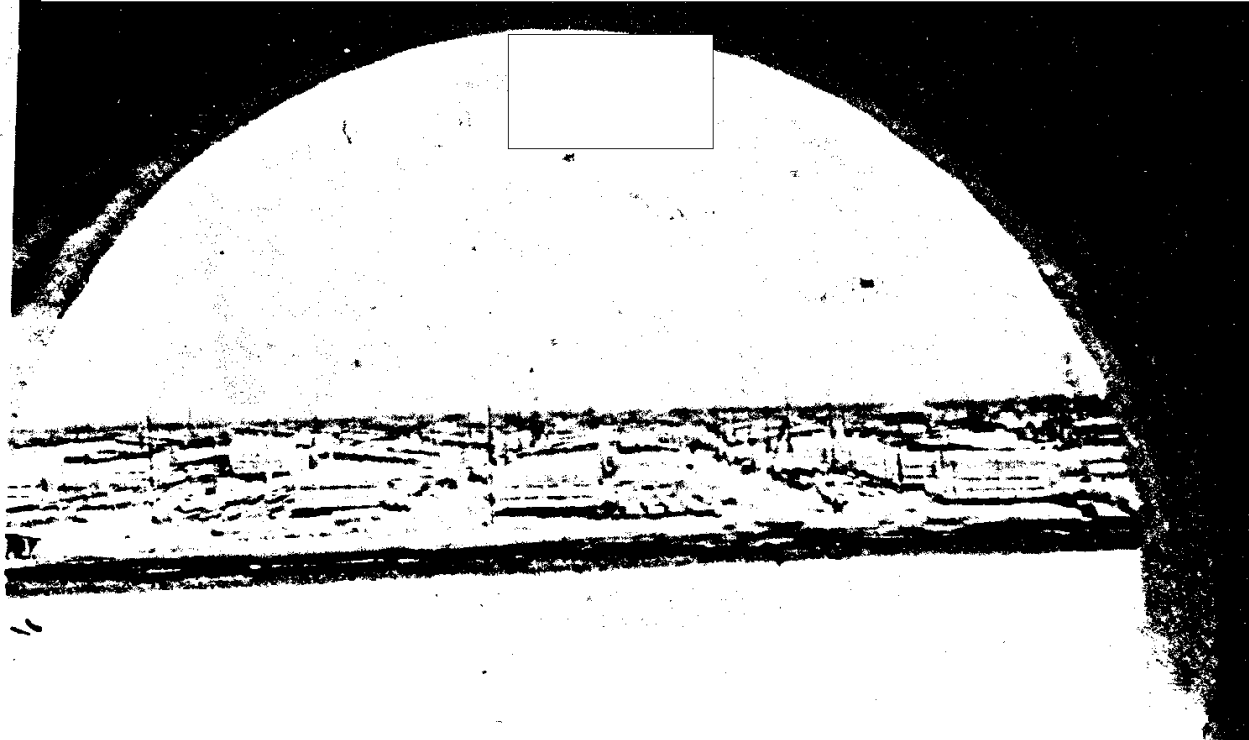


25X1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. KURYARYETS AREA. STORED SECTIONS OF  
PREFABRICATED HOUSING. SEE POINT 9, CHART 2



25X1  
25X1

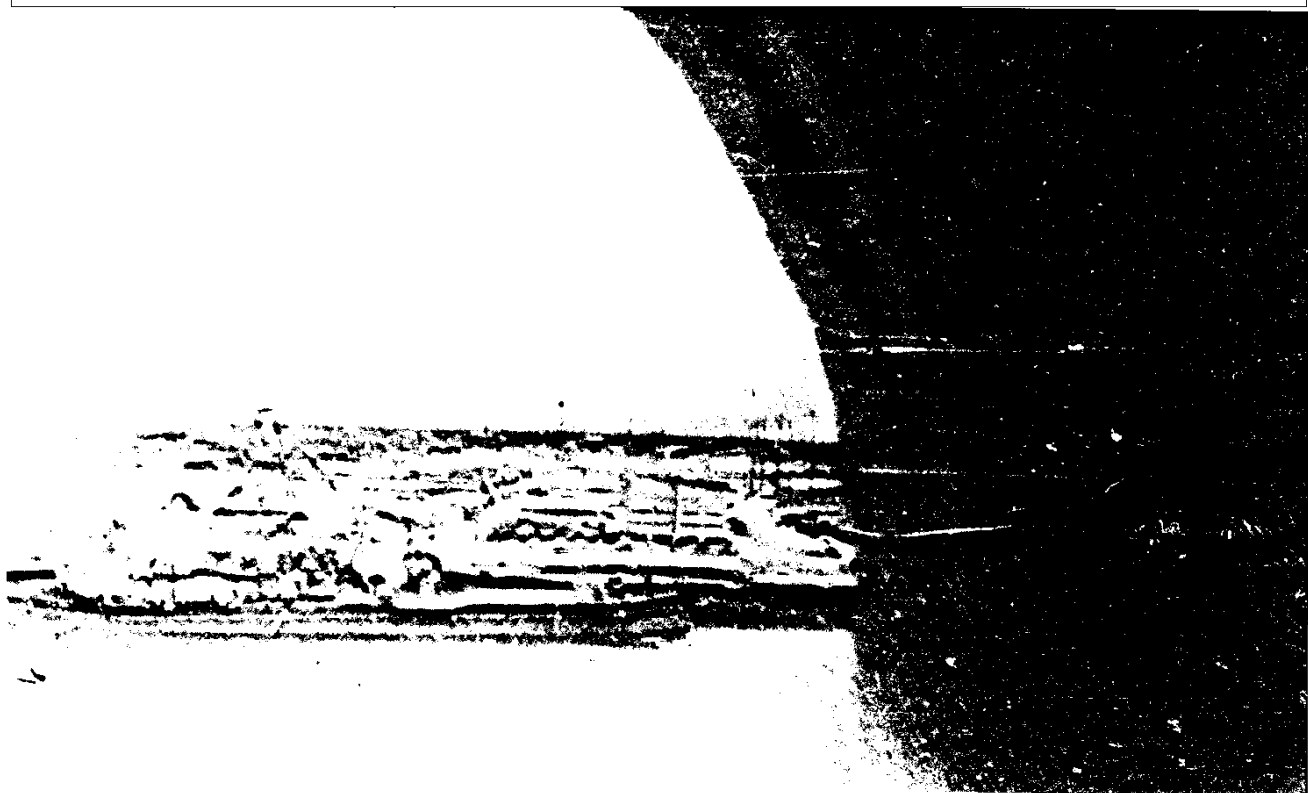
25X1

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25X1

17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. KURYARYETS AREA. STORED SECTIONS 25X1  
OF PREFABRICATED HOUSING. SEE POINT 9, CHART 2

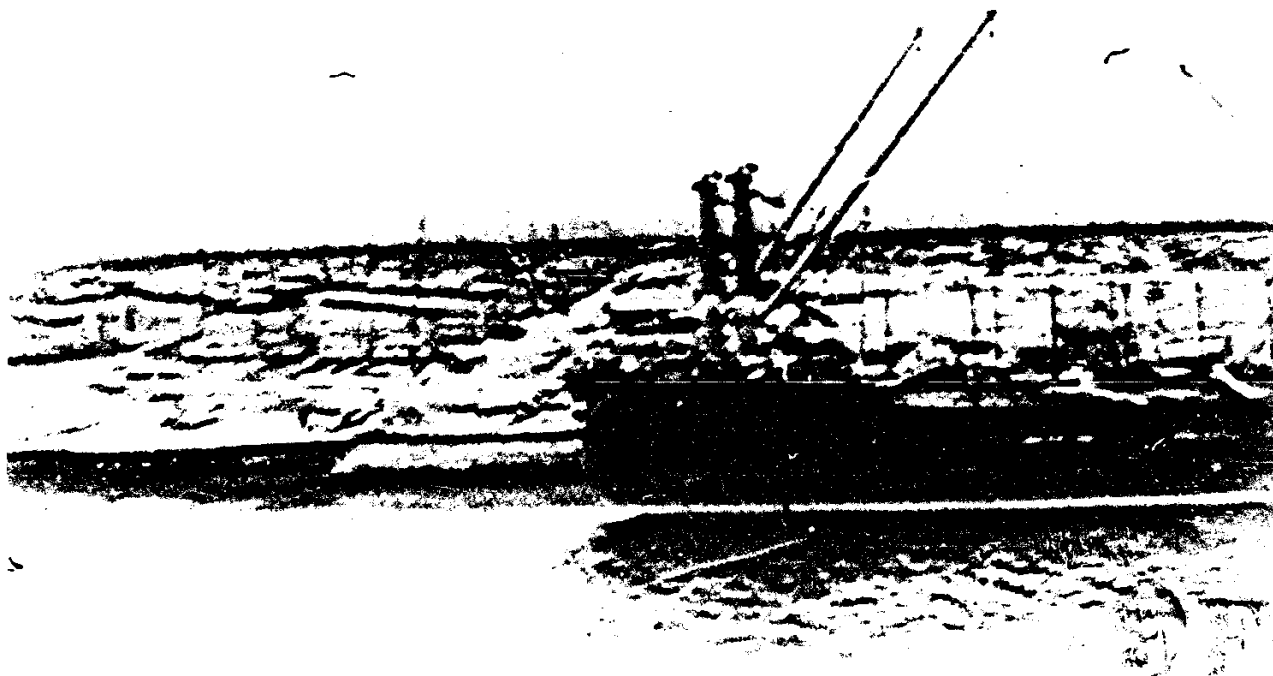


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✓ 17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. KURYARYETS AREA. STORED SECTIONS  
OF PREFABRICATED HOUSING. SEE POINT 9, CHART 2

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. ARNOSOV AREA. PILES OF LUMBER  
AND PREFAB SECTIONS. CELLULOSE PLANT IN BACKGROUND. SEE  
POINT 10, CHART 2  PART 1 OF 4-PART PANORAMA.

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
HARBOR. ARNOSOV AREA. PILES OF LUMBER AND PREFAB SECTIONS.  
CELLULOSE PLANT IN BACKGROUND. SEE POINT 10, CHART 2  
PART 2 OF 4-PART PANORAMA

25X1

25X1

25X1



25X1

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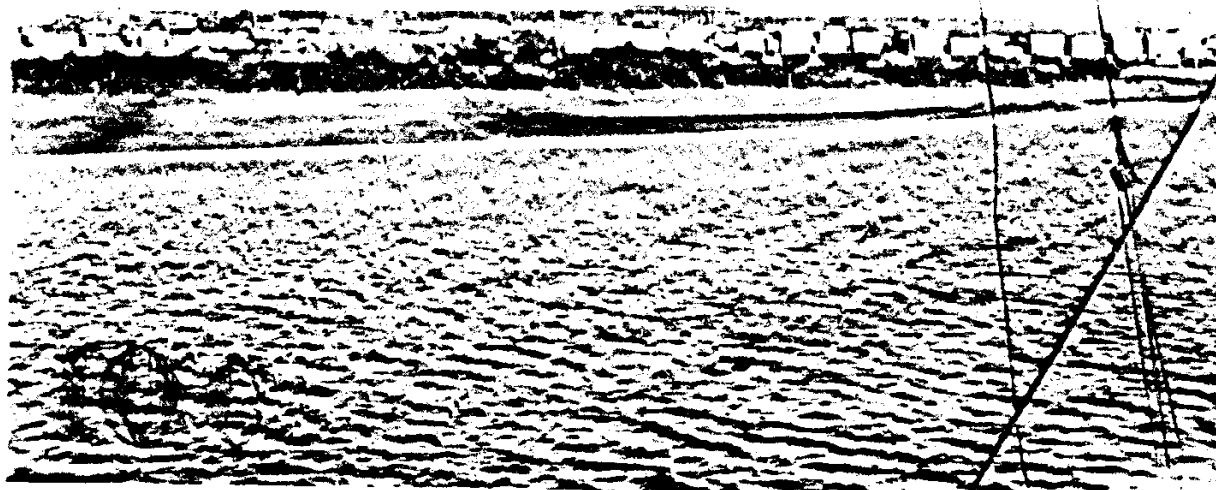
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. ARNOSOV AREA. PILES OF LUMBER AND  
PREFAB SECTIONS. CELLULOSE PLANT IN BACKGROUND. SEE POINT 10,  
CHART 2  PART 3 OF 4-PART PANORAMA.

25X1

25X1

25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. ARNOSOV AREA. PILES OF LUMBER  
AND PREFAB SECTIONS. CELLULOSE PLANT IN BACKGROUND. SEE  
POINT 10, CHART 2  PART 4 OF 4-PART PANORAMA.

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. ARNOSOV AREA. PILES OF LUMBER AND  
PREFAB SECTIONS. SEE POINT 10, CHART 2

25X1

25X1



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17N USSR N. EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SOLAMBALA AREA. SEE POINT 12,  
CHART 2

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SOLAMBALA AREA. SEE POINT 12,  
CHART 2 

25X1  
25X1

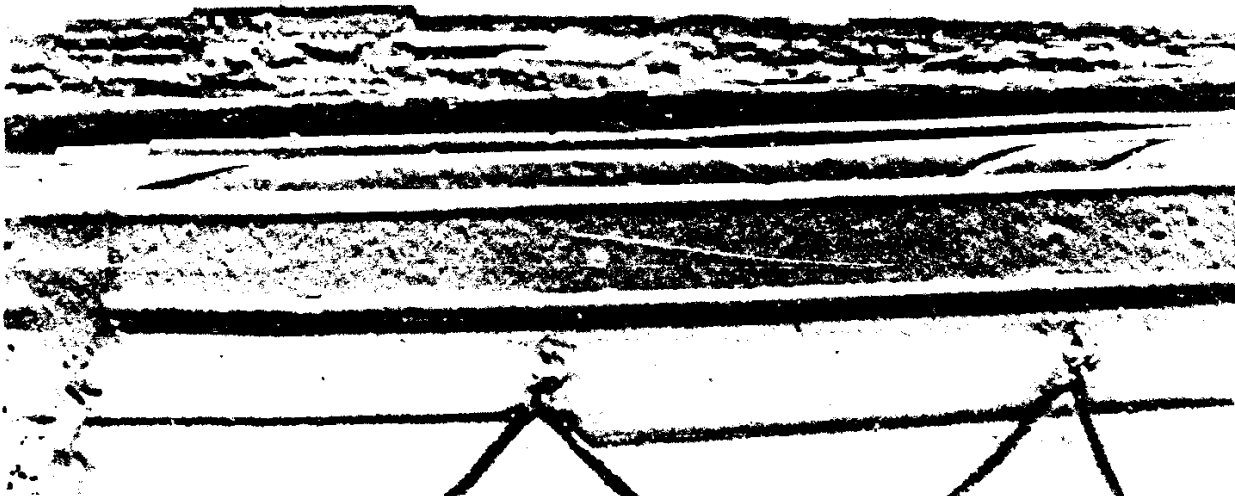


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17N USSR N. EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILL. SEE POINT 13, CHART  
2

25X1  
25X1



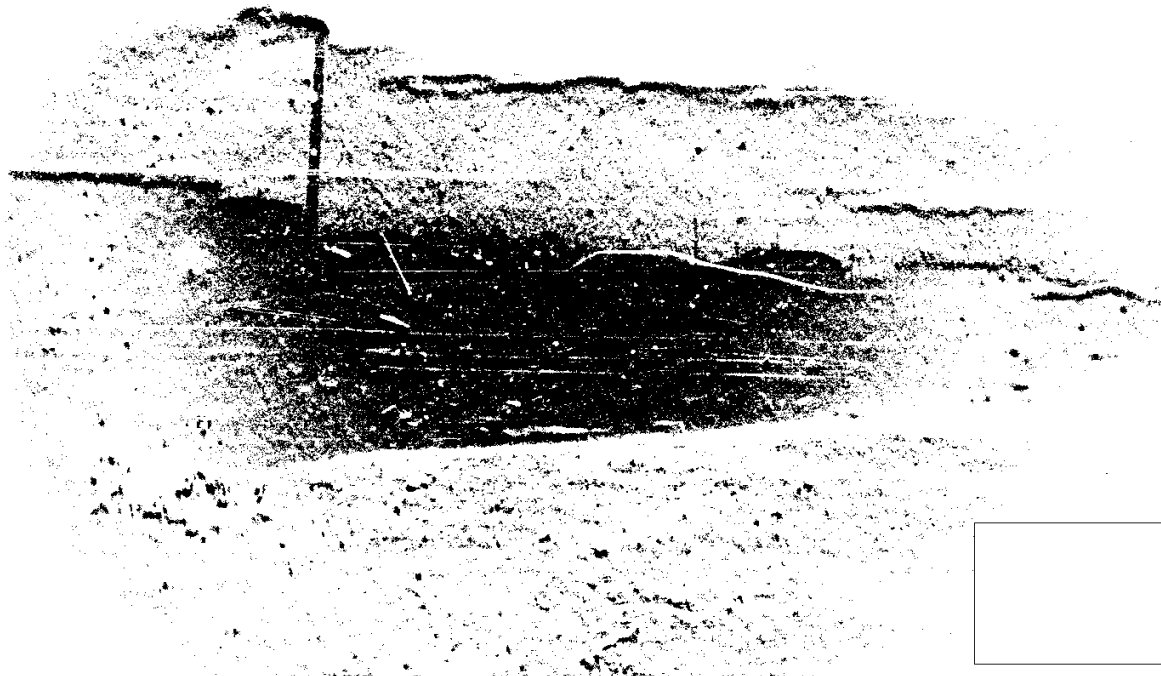
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Approved For Release 2008/03/17 : CIA-RDP80-00810A006500240004-3

17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. GROUP OF SAWMILLS. SEE POINT 14,  
CHART 2

25X1  
25X1



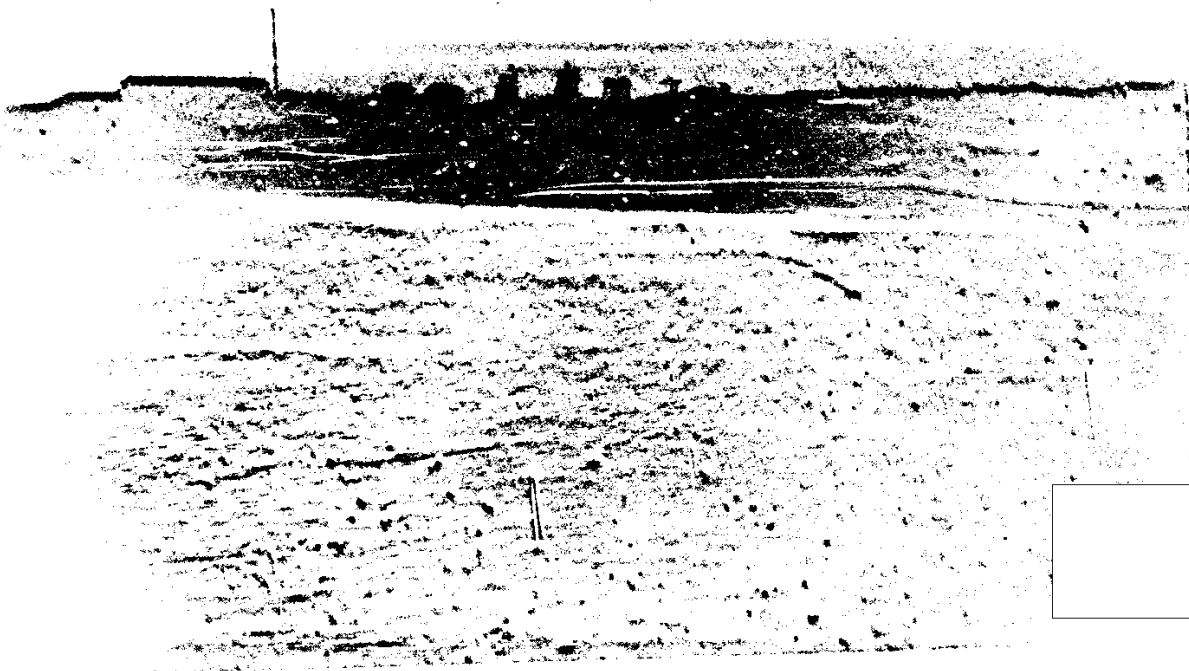
25X1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. GROUP OF SAWMILLS. SEE POINT 14,  
CHART 2

25X1  
25X1



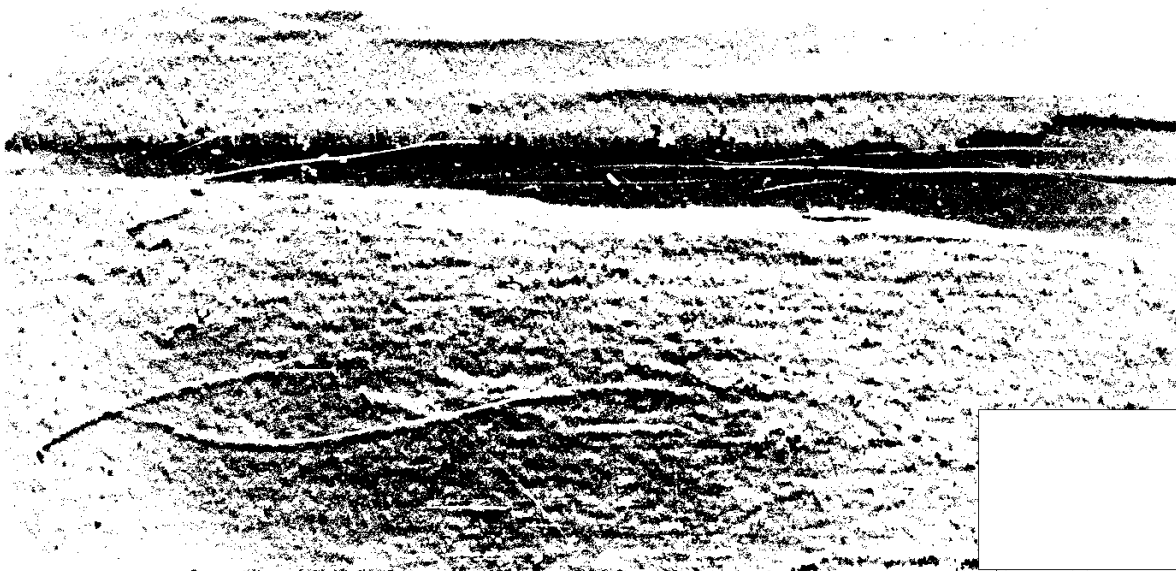
25X1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. GROUP OF SAWMILLS. SEE POINT 14,  
CHART 2

25X1  
25X1



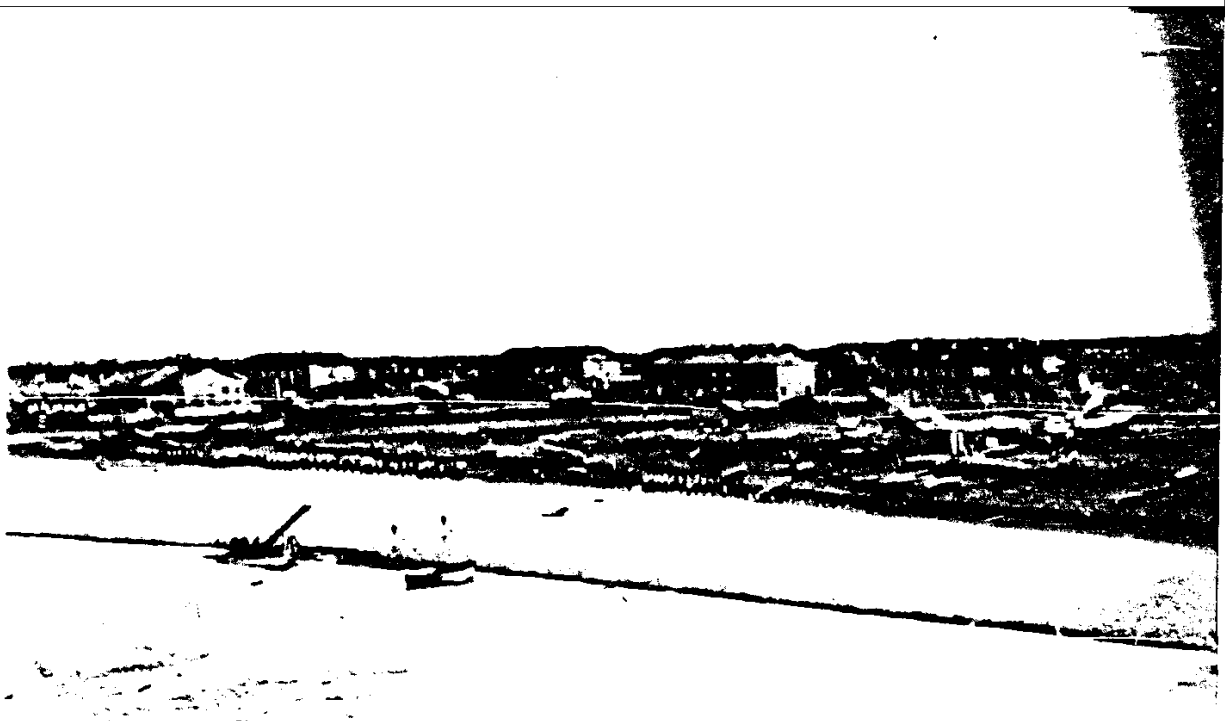
25X1

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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LOGGING AREA. WORKERS' SETTLEMENT.  
SEE POINT 15, CHART 2

25X1  
25X1



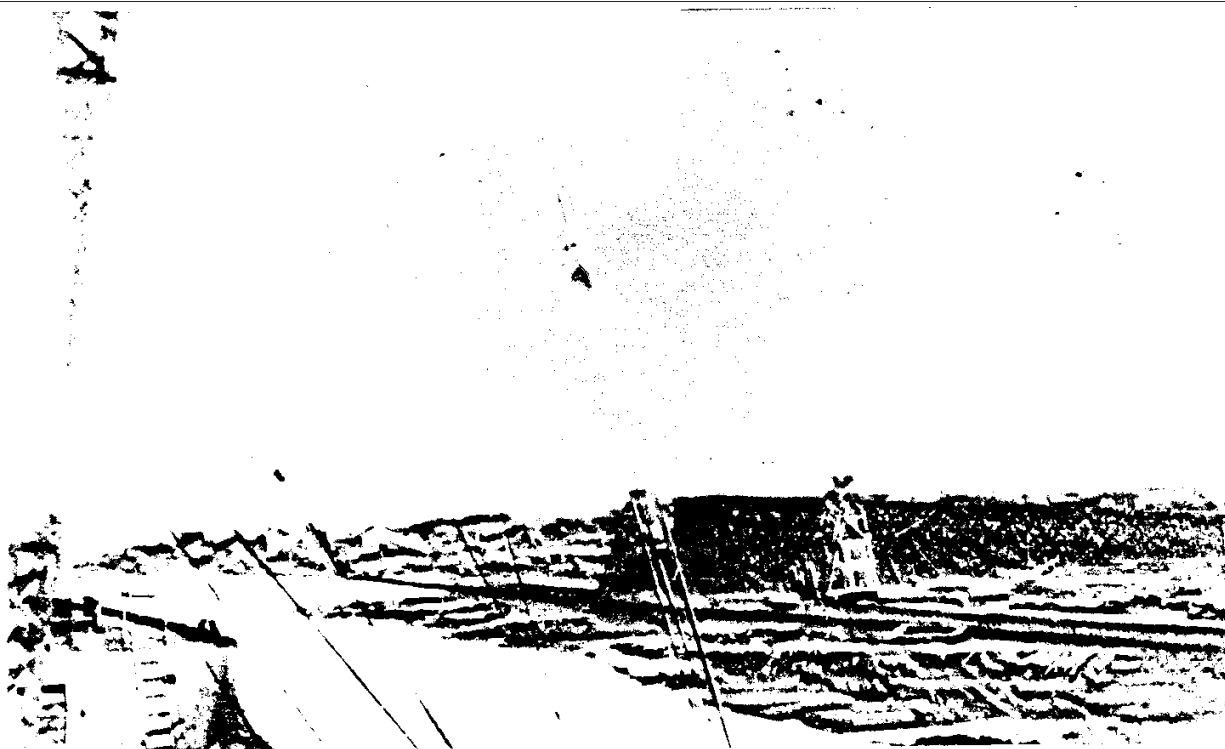
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LOGGING AREA. WORKERS' SETTLEMENT.  
MACHINES FOR LIFTING LOGS. SEE POINT 15, CHART 2

25X1

25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LOGGING AREA. LOG-LIFTING DEVICE.  
SEE POINT 15, CHART 2

25X1

25X1

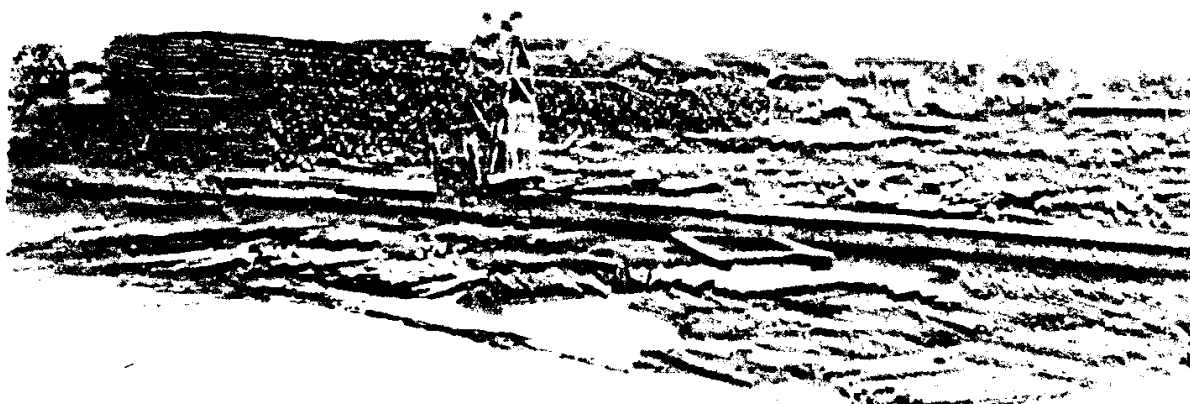


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LOGGING AREA. WORKERS SETTLEMENT  
MACHINE FOR LIFTING LOGS. SEE POINT 15. CHART 2

25X1  
25X1

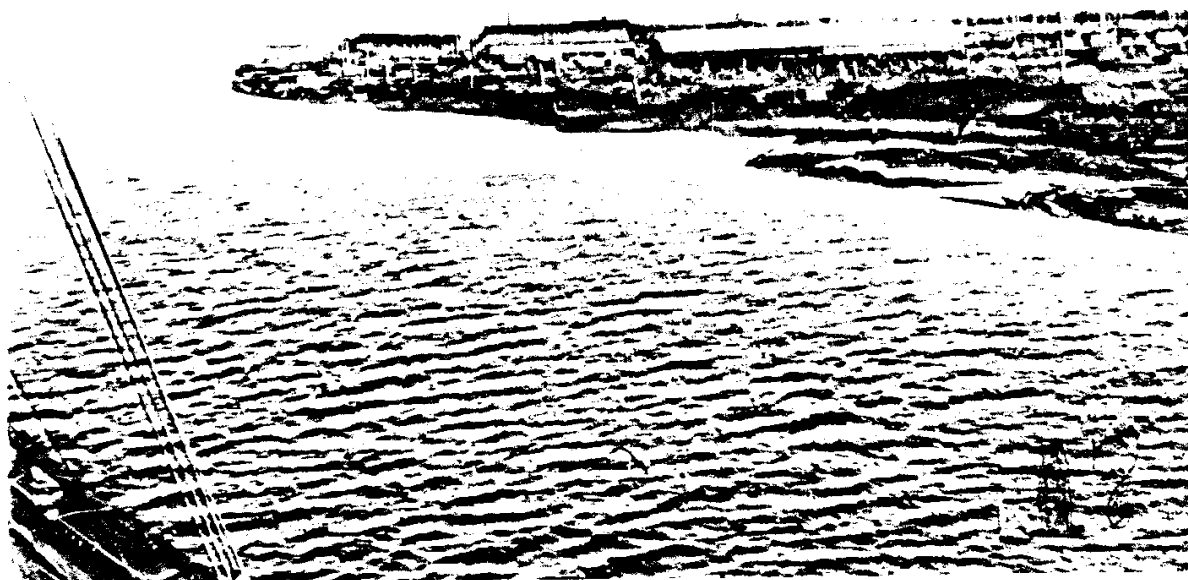


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILLS AND WORKERS' HOUSES.  
SEE POINT 17, CHART 2

25X1  
25X1



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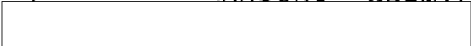
17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILLS. AND WORKERS' HOUSES. SEE  
POINT 17, CHART 2


25X1  
25X1



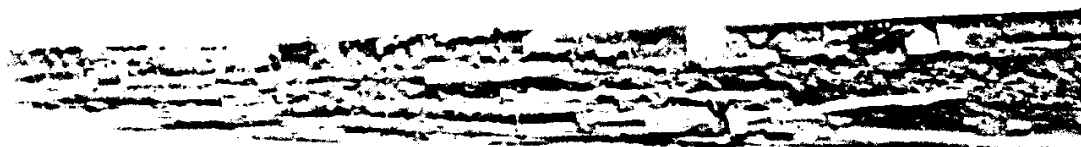
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILLS AND WORKERS' HOUSES. SEE POINT  
17, CHART 2 



25X1  
25X1

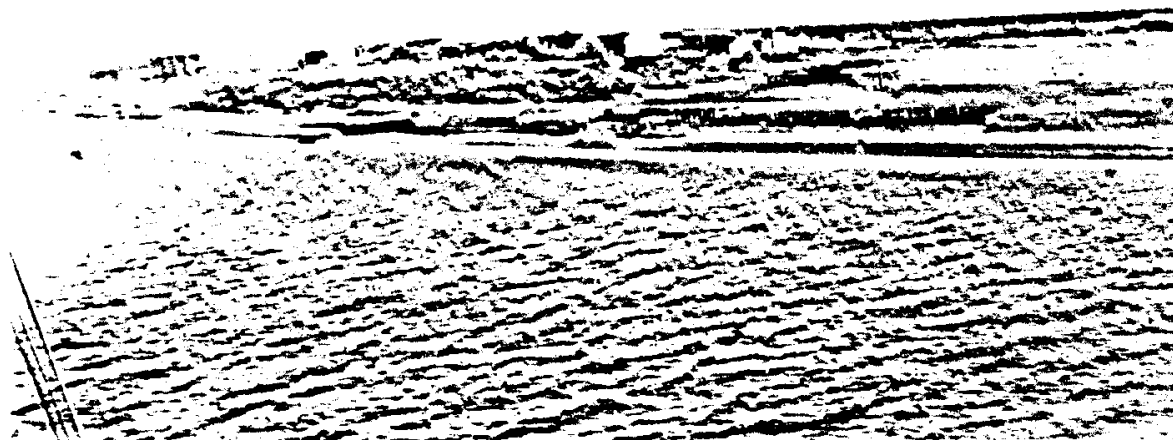


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILLS AND WORKERS HOUSES. SEE  
POINT 17, CHART 2


25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILL AREA. WORKERS' HOUSING.  
SEE POINT 17, CHART 2 



25X1  
25X1

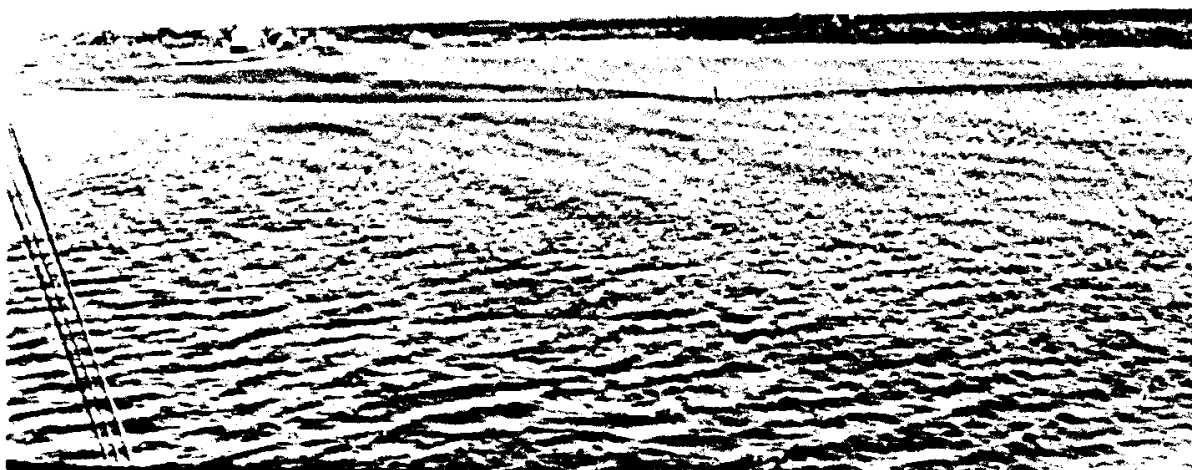


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILL AREA. WORKERS' HOUSING.  
SEE POINT 17, CHART 2

25X1  
25X1

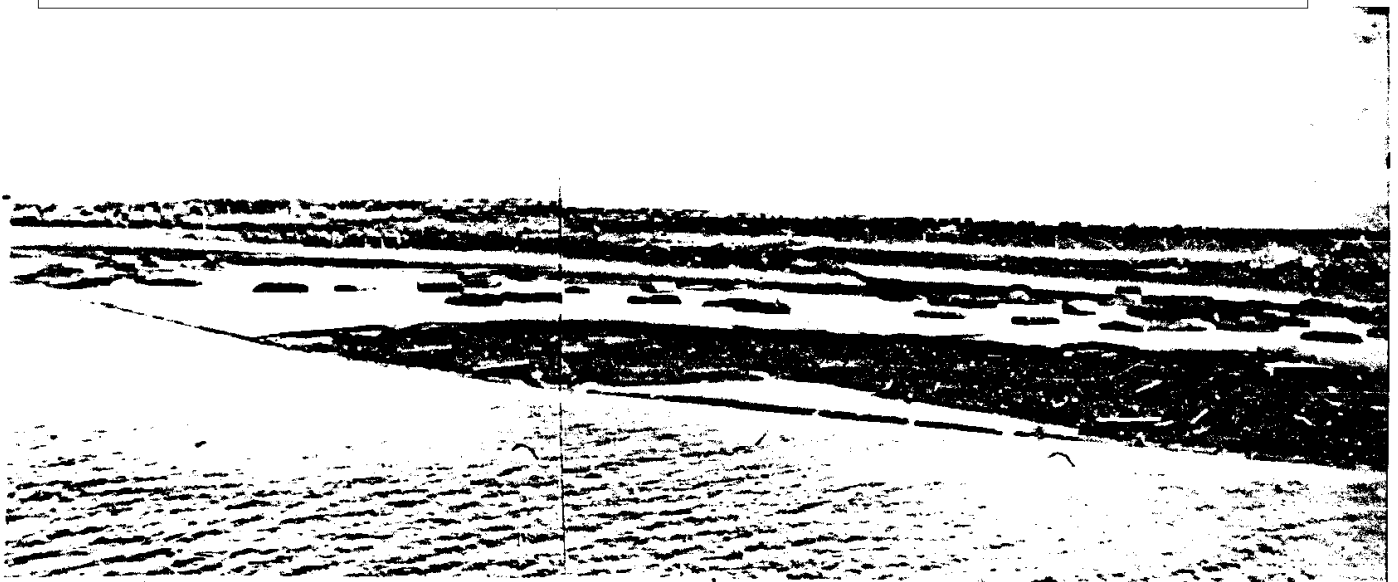


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. BOOMS FOR TRANSPORTING LOGS  
THROUGH CHANNEL. SEE POINT 18, CHART 2

25X1  
25X1

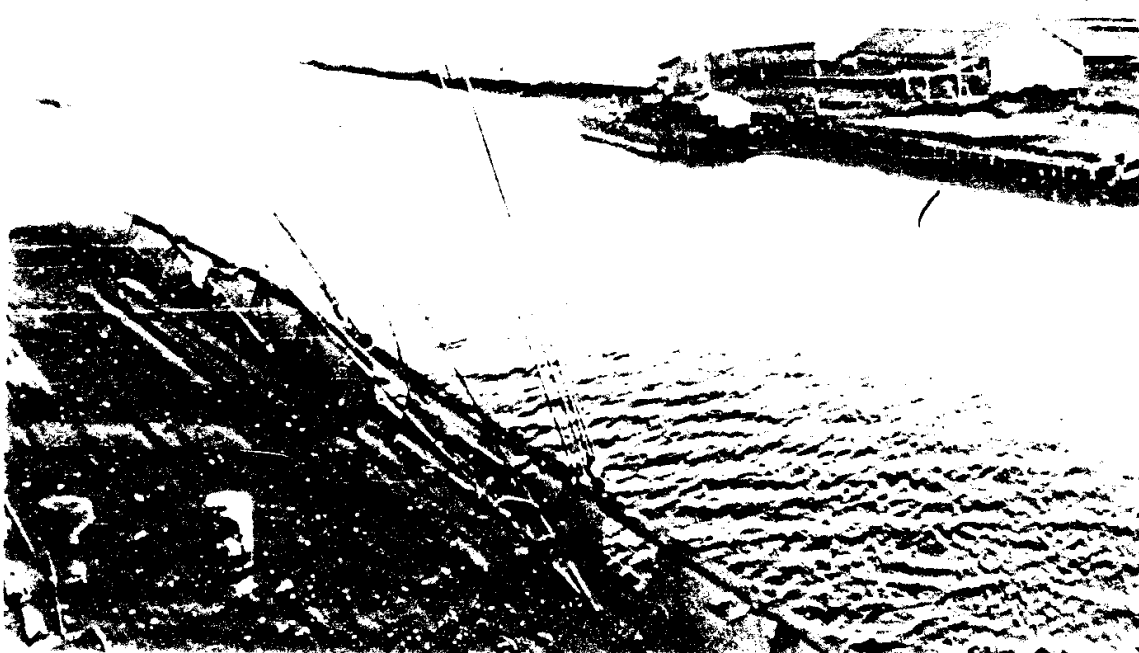


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17N USSR N. EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SMALL STEEL-CABLE PLANT.  
USED IN LOGGING OPERATIONS. SEE POINT 19, CHART 2  
PART 1 OF 2-PART PANORAMA

25X1  
25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SMALL STEEL-CABLE PLANT. USED  
IN LOGGING OPERATIONS. SEE POINT 19, CHART 2  
PART 2 OF 2-PART PANORAMA

25X1  
25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E [REDACTED] HARBOR. SAWMILL AND STACKED LUMBER. SEE  
POINT 19, CHART 2 [REDACTED]  
[REDACTED]

25X1  
25X1

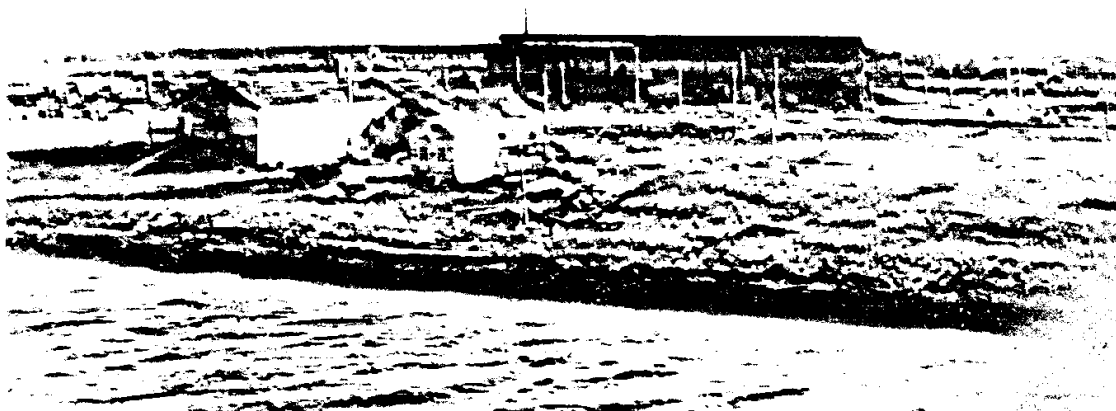


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILL AND STACKED LUMBER.  
SEE POINT 19, CHART 2

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SAWMILL AND STACKED LUMBER. SEE  
POINT 19, CHART 2

25X1  
25X1

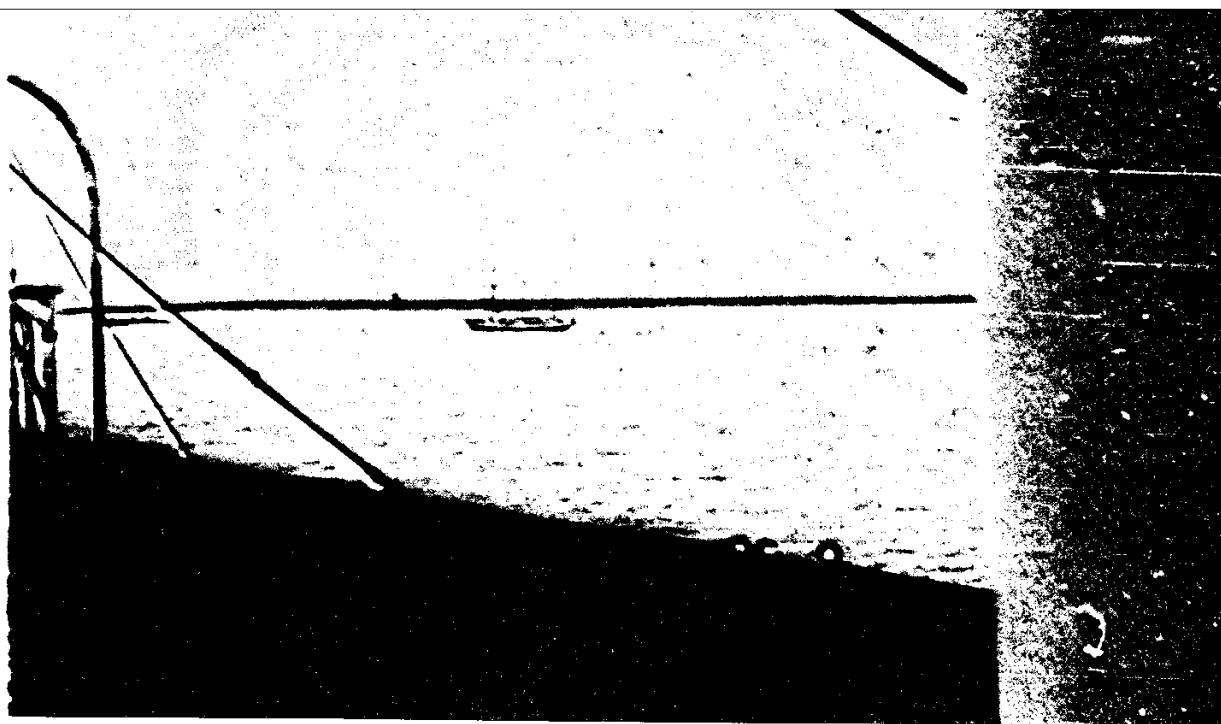


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. TRAINING SHIP AT POINT 1, CHART 1,

25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. MOUTH OF LAPO RIVER. SMALL HOUSES.  
SEE POINT 2, CHART 1

25X1

25X1

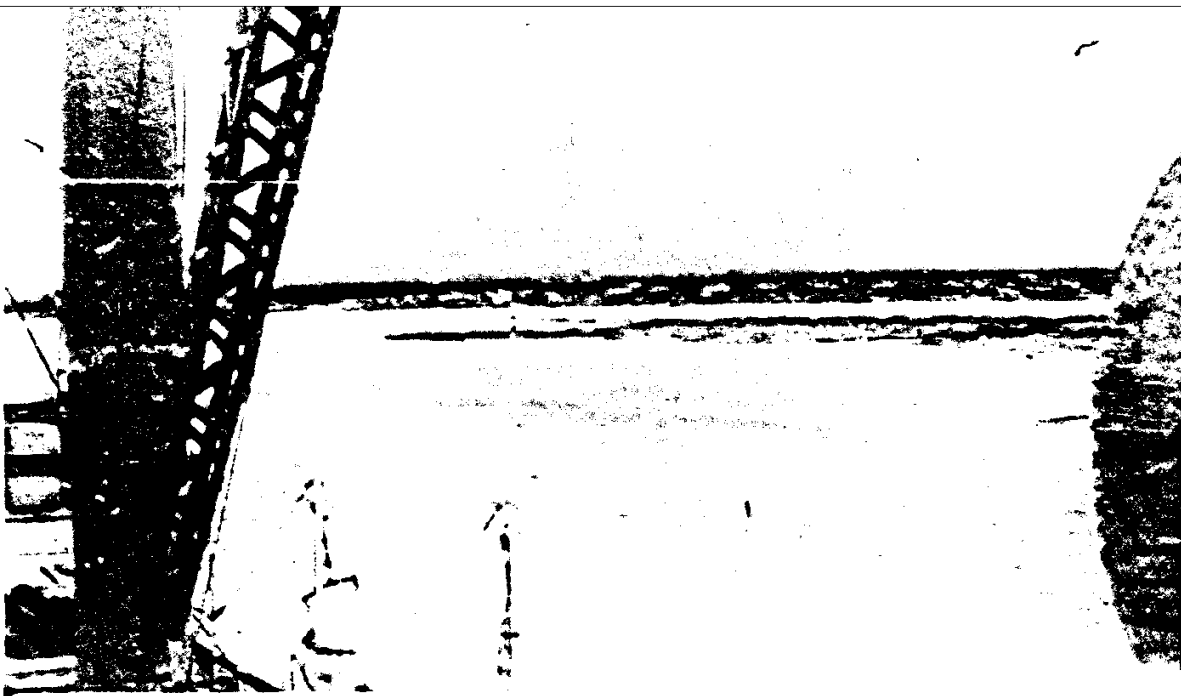
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. CHANNEL NEAR LAPOMINKA ISLAND. SEE  
POINT 3, CHART 1

25X1

25X1



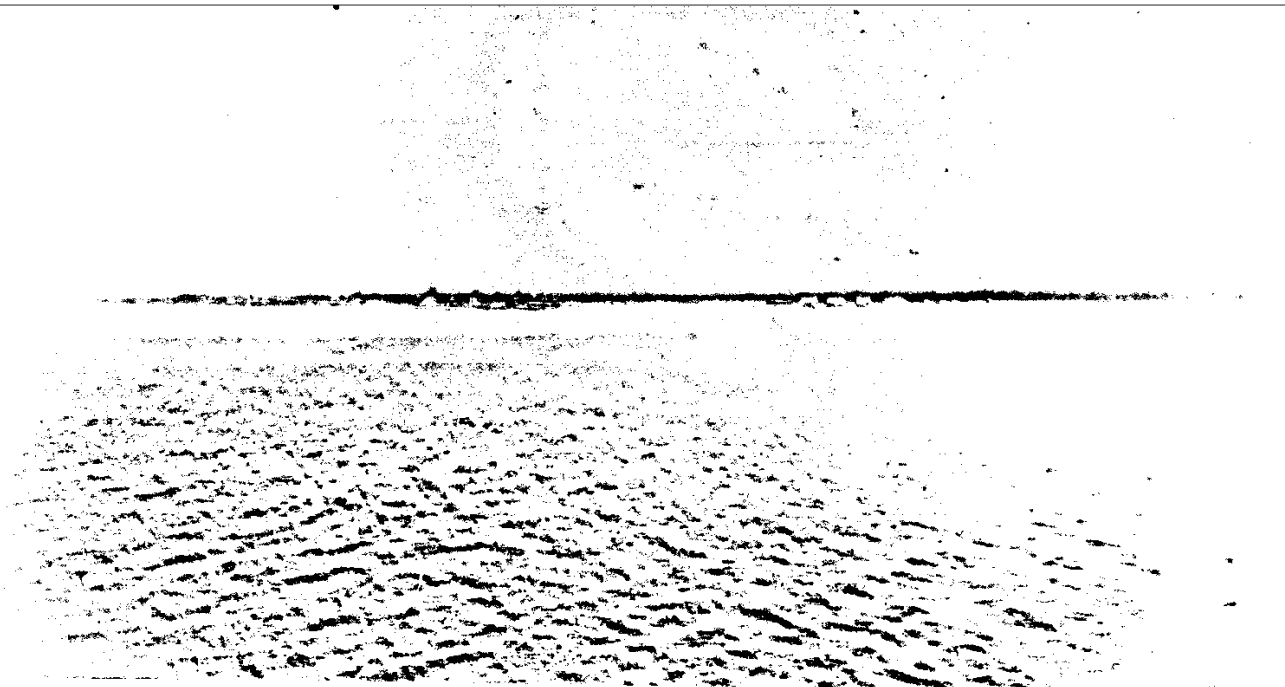
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25X1

17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. CHANNEL NEAR LAPOMINKA ISLAND.  
SEE POINT 3, CHART 1

25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. CHANNEL AREA AT POINT 4, CHART 1,

25X1

25X1



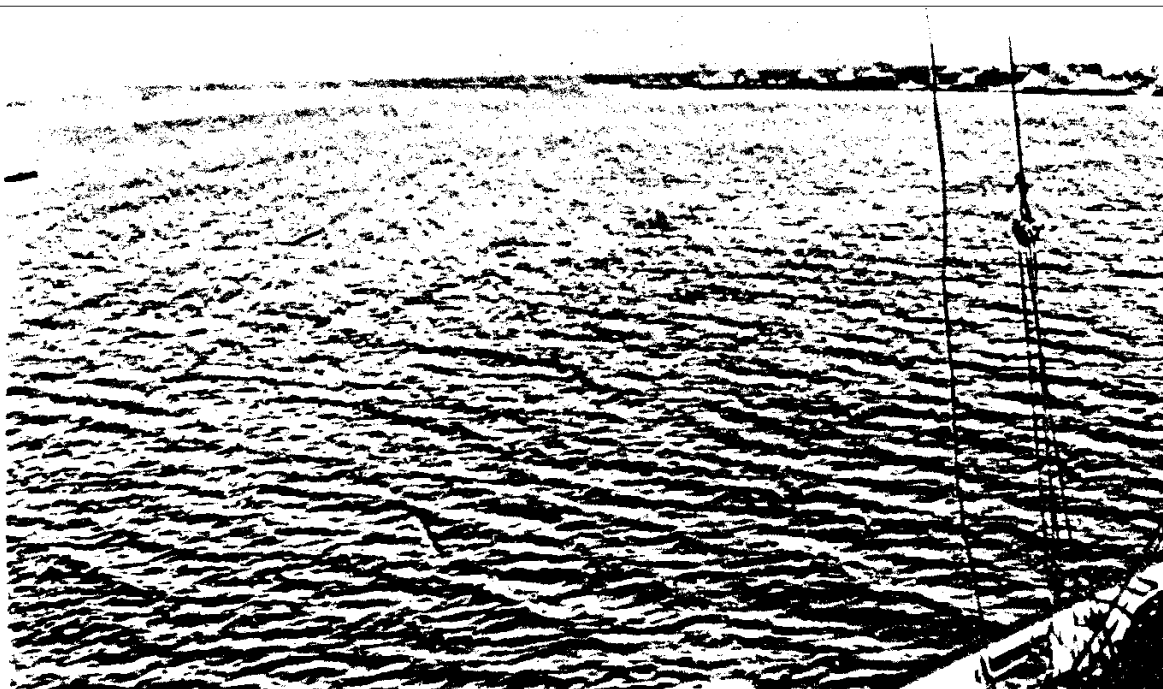
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. FORK OF CHANNEL AND ENTRANCE TO  
PORT EKONOMIYA. SEE POINT 6, CHART 1  PART 1 OF  
2-PART PANORAMA

25X1  
25X1  
25X1

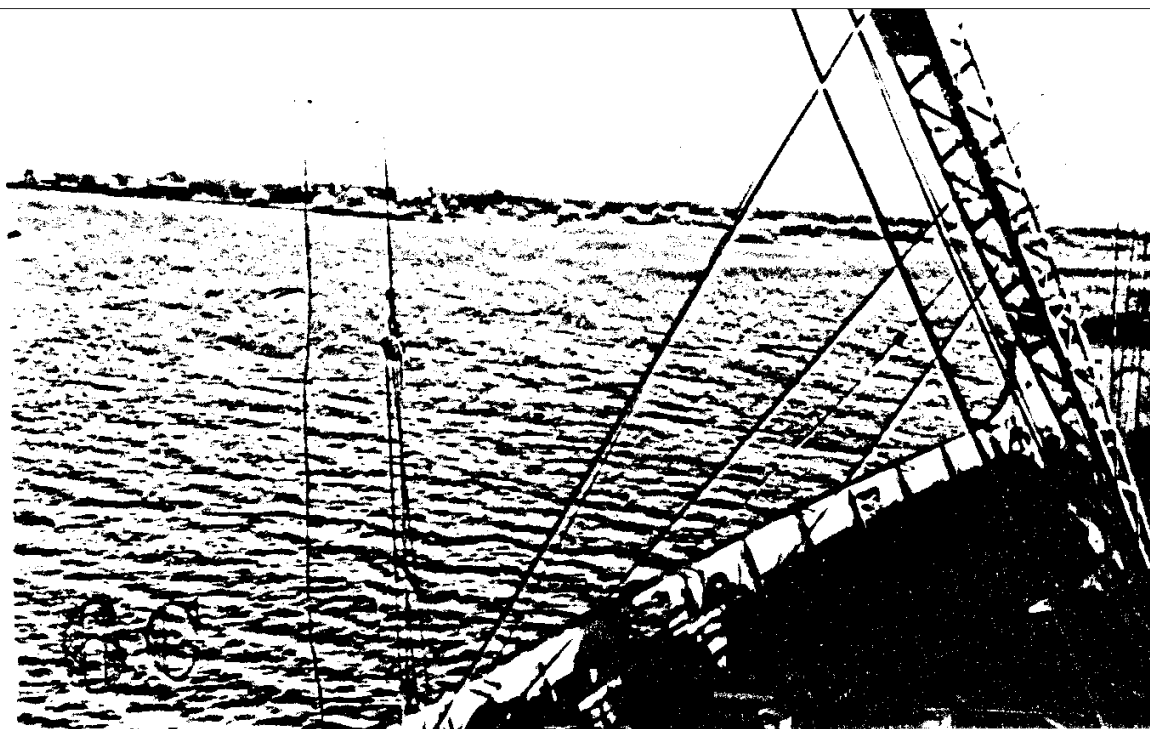


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. FORK OF CHANNEL AND ENTRANCE TO PORT  
EKONOMIYA. SEE POINT 6, CHART 1  PART 2 OF 2-PART  
PANAORAMA.

25X1  
25X1  
25X1



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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. NEAR PORT EKONOMIYA. SEE POINT 7,  
CHART 1

25X1  
25X1

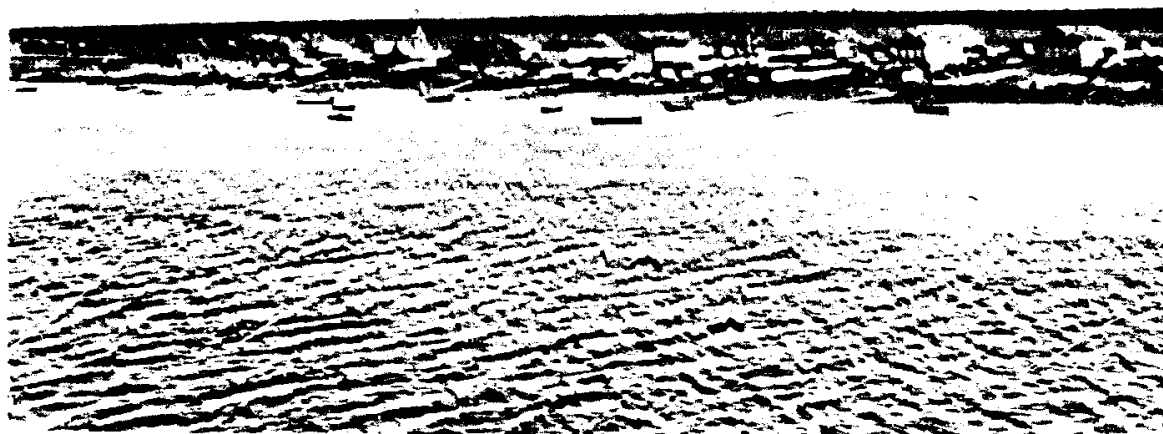


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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SMALL HOUSES ALONG SHORE. SEE  
POINT 20, CHART 1

25X1  
25X1



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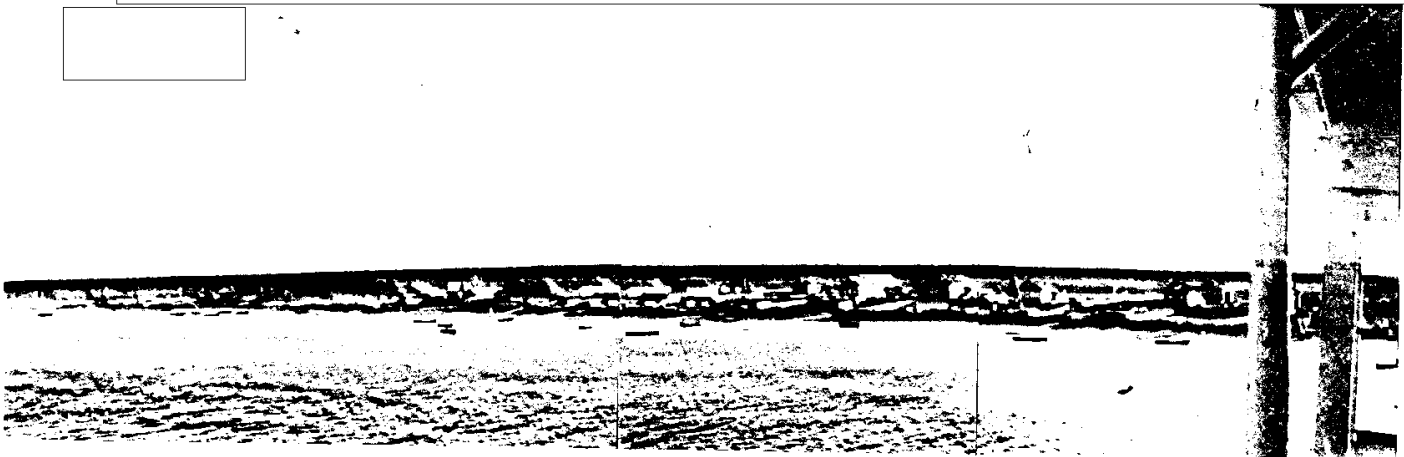
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17N USSR N.EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. SMALL HOUSES ALONG CHANNEL. SEE  
POINT 20, CHART 1

25X1

25X1

25X1



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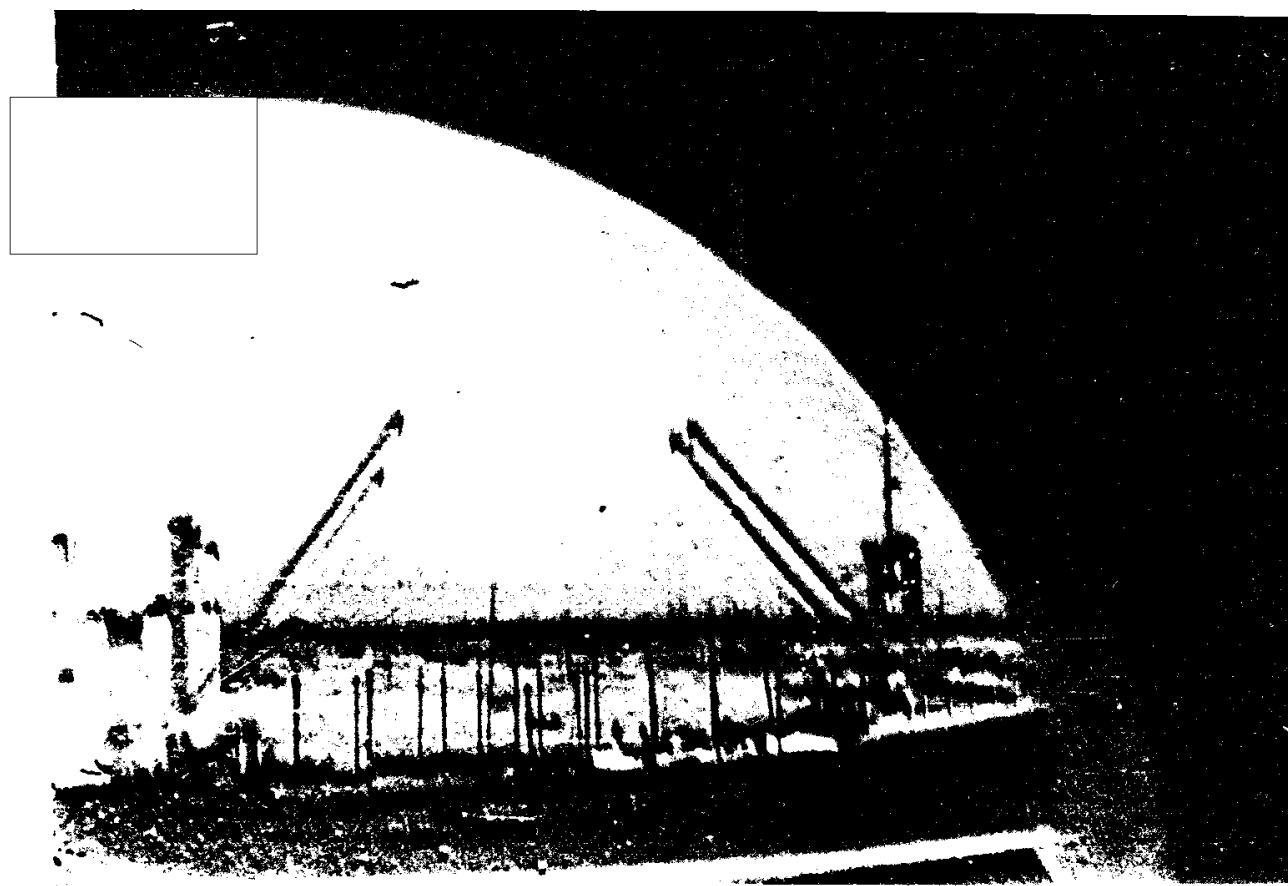
17N USSR N. EUROPEAN RSFSR ARKHANGEL OBLAST ARKHANGEL  
64 34 N 40 32 E HARBOR. LINSKIY ISLAND. LUMBER SHEDS.  
BUILDING UNDER CONSTRUCTION AT ARROW. SEE POINT 21. CHART 1

25X1



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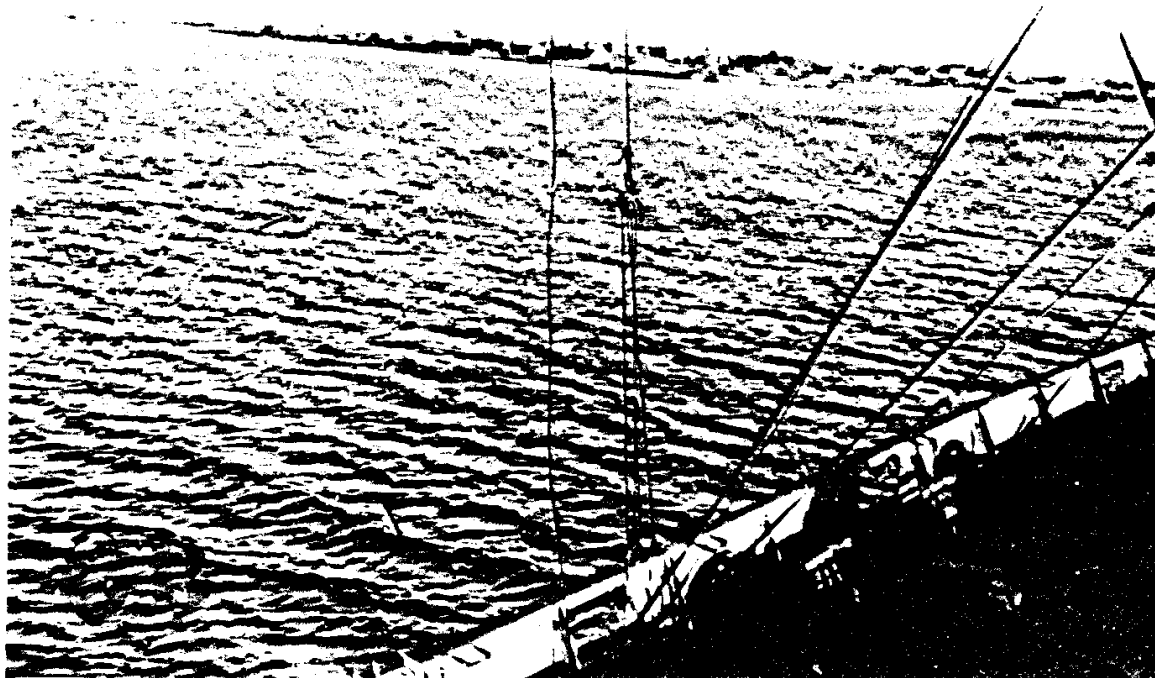
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25X1

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